

1995

Whitworth College Catalog 1995-1997

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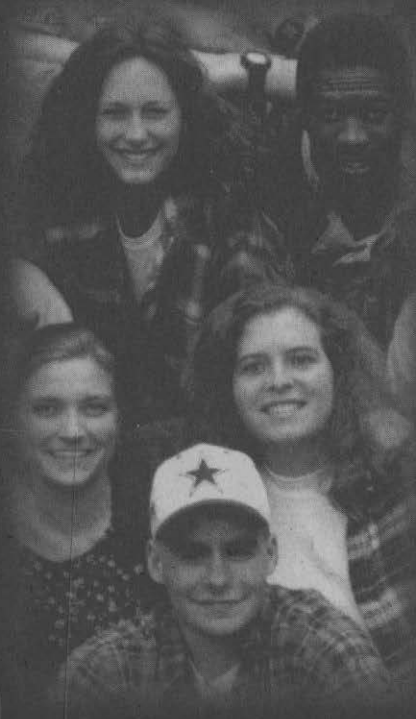
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Whitworth

College

Catalog



WHITWORTH
HERITAGE
COLLECTION

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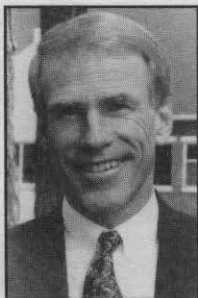
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The Whitworth College catalog has been written to provide a comprehensive view of the college, including academic requirements and procedures necessary for admission and graduation. While the information presented is in effect at the time of publication, continual examination and revision of college policies can result in changes. Therefore, the catalog does not constitute an agreement between the college and the student. Students should assume the responsibility for consulting their academic advisors for the most current and specific information relating to their majors and should contact the appropriate campus departments regarding other questions.

President's Welcome



Welcome to Whitworth College! We hope you have already started to feel the warmth of our Whitworth family. Whitworth is nationally recognized for its integrative curriculum, and this catalog offers a rich menu of learning opportunities. But let me be quick to say that the impact of a Whitworth education depends not only on what we teach but on how we teach. The "how" of a Whitworth education is relationships: professors pouring themselves into the lives of their students, students learning from students, and all of us learning from each other. That's Whitworth. We hope you will seize the opportunities we offer to learn through relationships — to experience a superior education of mind and heart.

A handwritten signature in cursive script that reads "Bill Robinson".

Bill Robinson
President
Whitworth College

Our Mission

Whitworth College is a private, residential, liberal arts college affiliated with the Presbyterian Church (U.S.A.). Whitworth's mission is to provide its diverse student body an education of the mind and the heart, equipping its graduates to honor God, follow Christ, and serve humanity. This mission is carried out by a community of Christian scholars committed to excellent teaching and the integration of faith and learning.





Our Heritage

In 1853, George Whitworth, a minister in the Ohio Valley, set off for the Western frontier to establish a college that would provide a "good English education and a thorough religious training." Fifty families joined his mission trek to the Northwest. By the time they reached Oregon, only Whitworth's family had persisted. It was 30 years before he was able to revive his dream of establishing a college.

In 1883, in the village of Sumner in Washington Territory, George Whitworth founded Sumner Academy. Seven years later, in February 1890, the school was incorporated as Whitworth College. The catalog of that year further defined the vision: "It is intended to give both sexes a thorough course of education equal to that of our best Eastern colleges, guarding well the moral and religious life of the students, ever directing them in pursuit of that learning and culture of heart and mind that make the finished scholar. This institution is well fitted for this, being under the control and direction of the Presbyterian Church. While it is denominational, it does not aim to be sectarian, opening its doors to all lovers of truth and learning." In 1899, the college had outgrown the rural community of Sumner and moved to Tacoma. Fifteen years later, when Spokane developer Jay P. Graves offered land in his Country Homes Estates, Whitworth College moved once more. In September 1914, classes began in Spokane. The college had found a home.

Years of uncertainty followed until President Ward Sullivan brought needed stability in the 1930s. He was succeeded in 1940 by Frank F. Warren, whose 23-year presidency achieved the size and scope of the present-day college. The Diamond Jubilee, celebrated in 1965 during the administration of Mark L. Koehler, gave rise to

innovative programs — the 4-1-4 calendar, January Term and the Core curriculum.

Edward B. Lindaman, president during the '70s, was a futurist. His leadership team expanded on new programs and gained national recognition for them. His successors, Robert H. Mounce and Arthur De Jong, added clarity of mission and a marked increase in international programs. In 1990, Whitworth marked its centennial year with a capital campaign that has resulted in the construction of a greatly expanded and renovated library. President William P. Robinson, inaugurated in 1993, has taken steps toward broadening Whitworth's financial base and moving the college to national prominence.

Through the years, Whitworth has held steadily to the concept defined over a century ago by its founder. During this time, the college has been responsive to the climate of each passing decade. With this balance of constancy and resilience, we enter the future with eager confidence.

Accreditation

Whitworth College is accredited by the Northwest Association of Schools and Colleges, the institutional accrediting body in the Northwest.

The Department of Music is accredited by the National Association of Schools of Music. Programs in the School of Education are accredited by the National Council for Accreditation of Teacher Education. The Intercollegiate Center for Nursing Education of Eastern Washington University, Whitworth College, and Washington State University is approved by the Washington State Board of Nursing and the National League for Nursing.

Whitworth is also a member of the Association of American Colleges, the Presbyterian College Union, and the Coalition for Christian Colleges and Universities. It is on the approved list of the National Council on Church-Related Colleges.

In 1995, Whitworth was recognized by the John Templeton Foundation as one of 124 U.S. colleges and universities that "promote high integrity as well as education" in their students. U. S. News and World Report's "America's Best Colleges" survey for 1995 ranked Whitworth eighth among the best regional colleges and universities in the West.

The college is affiliated with the Synod of Alaska-Northwest of the Presbyterian Church (U.S.A.).

Our City

Spokane, the All-American City, offers a vibrant downtown with exciting specialty shops, appealing restaurants, major department stores, theaters, and financial and professional services. Ten blocks of the city center are connected by a sleek, efficient, fully enclosed system of skywalks. There is plenty of cultural life, too. The elegant Opera House adjoins the Convention Center and the International Agricultural Trade Center on the beautiful Spokane River. Nationally acclaimed artists, the Spokane Symphony, the Spokane Ballet, and other fine local talent appear on its stage and at the beautifully renovated "Met" (Metropolitan Center for the Performing Arts). A wide spectrum of events is offered: concerts, comedies, symphonies, lectures, operas, and travelogues. There is live theater in town by repertory and dinner theater companies and the Spokane Civic Theater. Active local arts organizations such as the Spokane Falls Brass Band, Connoisseur Concerts, and the Spokane Jazz Society also perform regularly.

Located in the heart of downtown Spokane is Riverfront Park, the site of the 1974 World's Fair. The park includes 100 acres of gentle hills, lush lawns and greenery, bicycle paths, bridges, and natural amphitheaters. The park surrounds the banks of the powerful Spokane River, with its cascading falls. Here you can pause to ride the turn-of-the-century carousel, hear an outdoor concert, or picnic with family and friends.

All of these attractions — skywalks, shops, the river and the park — are a mere 14 minutes from the campus, with excellent public transportation from the main entrance of the college. And there is more.

Close at hand are 12 national parks, 76 lakes, and 15 national forests. Thirty minutes out of town, you can hike, camp, fish, or hunt. You can go canoeing within the city limits. Spokane's 12 public golf courses are rated among the best in the nation, and four major ski areas are within a two-hour drive. Tourist attractions include the Coeur d'Alene Resort, Silverwood Amusement Park, and Silver Mountain Recreation Area in Kellogg, Idaho.

In this abundant environment with its four distinct seasons, people have a great zest for living. So be warned — once you have tasted the Spokane lifestyle, you may never want to leave.

Our Campus

Located in a suburban setting on the north side of Spokane, Whitworth College's 200-acre wooded campus offers students a dynamic learning environment. A walk around the campus reveals a harmonious blend of historic and contemporary architecture that complements the beauty of the grounds. With their reddish-brown brick, steeply pitched roofs and distinctive dormer windows, McMillan and Ballard residence halls embody the early 20th-century architecture that distinguishes much of the Whitworth campus. Modern buildings such as the Harriet Cheney Cowles Memorial Library, the Music Building, the Seeley Mudd Chapel and the Campus Center complement the more traditional surroundings to produce a beautiful and functional campus environment.

Whitworth's new \$4.25-million Campus Center provides a great place for students to get together and study or just sit and relax. The center features a cafe and snack bar, a bookstore, lounge space, meeting rooms, a post office, a game room and offices for student government and organizations.

Approaching the center of the Whitworth campus, you will find "The Loop." With its plush lawns and tall pine trees, The Loop provides students with an ideal place to read a book while relaxing in the sun, visit with friends, or play a game of volleyball. At the west end of the campus are Whitworth's athletic facilities: the Fieldhouse, the Aquatics Center, Graves Gym, the newly renovated Pine Bowl football facility and Boppell Memorial Track, tennis courts, baseball diamonds and practice fields. Whether you are a participant in intercollegiate athletics or just want a good workout, Whitworth has everything you need.

The Whitworth College campus environment plays an important and invigorating role in the life of the student. Whitworth enrolls approximately 2,000 students — 1,600 undergraduates and 400 graduate students. Among them are representatives from 30 states and 25 foreign countries. Though the campus continually bustles with a wide variety of activities and events, it also provides the space and natural beauty for relaxation, solitude, and reflection. Come visit the campus and discover why Whitworth, like its Pacific Northwest surroundings, is a wonderful place to be. Call the Office of Enrollment Services at 1-800-533-4668 or 509-466-3212.



The 4-1-4 Calendar

In 1969, Whitworth College became one of the first colleges in the country to adopt the 4-1-4 academic calendar. This calendar is favored by many liberal arts colleges because of its flexibility and potential for innovative and short-run, off-campus courses.

The fall semester starts in early September and ends with the Christmas vacation. During the month of January, students take one intensive course. Many opportunities exist for internship and independent study in the major during this month. Also, Whitworth has developed a number of tuition reciprocity agreements with other colleges on the 4-1-4 calendar, allowing students to experience another college for a month's time without upsetting tuition or financial aid arrangements.

The spring semester begins in early February and ends in mid-May. A 12-week period of summer instruction is also offered in varied formats from weekend workshops to six-week traditional lecture courses.

Academic Calendar

1995-96

FALL SEMESTER

Saturday, Sept. 2	Dorms open at 9:30 a.m.
Saturday & Sunday, Sept. 2 & 3	Orientation Activities
Wednesday, Sept. 6	Fieldhouse Registration
Wednesday, Sept. 6	Evening Classes Begin
Thursday, Sept. 7	Day Classes Begin
Wednesday-Friday, Nov. 22-24	Thanksgiving Vacation
Monday, Nov. 27	Classes Resume
Tuesday-Friday, Dec. 12-15	Final Examinations
Dec. 16 - Jan. 7	Christmas Break

JANUARY TERM

Jan. 7	Dorms open at 1 p.m.
Jan. 8	Classes Begin
Jan. 15	Martin Luther King Day
Jan. 30	Last Class Day

SPRING SEMESTER

Saturday, Feb. 3	Dorms open at 9:30 a.m.
Monday, Feb. 5	Fieldhouse Registration
Monday, Feb. 5	Evening Classes Begin
Tuesday, Feb. 6	Day Classes Begin
March 18 - 22	Spring Vacation
Monday, Mar. 25	Classes Resume
Friday, April 5	Good Friday (no classes)
Tuesday-Friday, May 14-17	Final Examinations
Sunday, May 19	Baccalaureate and Commencement
SUMMER SCHOOL	To Be Announced

1996-97

FALL SEMESTER

Saturday, Sept. 7	Dorms open at 9:30 a.m.
Wednesday, Sept. 11	Fieldhouse Registration
Wednesday, Sept. 11	Evening Classes Begin
Thursday, Sept. 12	Day Classes Begin
Wednesday-Friday, Nov. 27-29	Thanksgiving Vacation
Monday, Dec. 2	Classes Resume
Tuesday-Friday, Dec. 17-20	Final Examinations
Dec. 21 - Jan. 5	Christmas Break

JANUARY TERM

Jan. 5	Dorms open at 1:00 p.m.
Jan. 6	Classes Begin
Jan. 20	Martin Luther King Day
Jan. 28	Last Class Day

SPRING SEMESTER

Saturday, Feb. 1	Dorms open at 9:30 a.m.
Monday, Feb. 3	Fieldhouse Registration
Monday, Feb. 3	Evening Classes Begin
Tuesday, Feb. 4	Day Classes Begin
March 17-21	Spring Vacation
Tuesday-Friday, May 13-16	Final Examinations
Sunday, May 18	Baccalaureate and Commencement
SUMMER SCHOOL	To be announced



Our Identity

Whitworth College is a Christian, residential college of the liberal arts and sciences affiliated with the Presbyterian Church (U.S.A.).

A Whitworth education is based upon the Christian faith and the values it affirms, which are informed by Scripture and the historic creeds of the church.

Whitworth College exists to educate a diverse student body in all the human dimensions, "intellectual, spiritual, physical, social, and emotional," in order to equip students to honor God and serve humanity through their personal and professional lives.

The college is committed to excellent teaching by highly qualified Christian scholars who pursue the integration of faith and learning.

The college welcomes students from all backgrounds and beliefs, yet functions as a Christian covenant community, respecting the diversity of its members while encouraging their support and encouragement for each other.

The college emphasizes cross-cultural and international study in response to the Christian tradition and the challenge of global realities.

Educational Philosophy

The enduring vision for over a century at Whitworth has been the pursuit of intellectual and spiritual development. Through decades of change, this fundamental purpose has remained firmly centered in the person of Jesus Christ. Our understanding of Christ is based on Scripture, the inspired and trustworthy record of God's self-disclosure and our final rule for faith and practice. As a college affiliated with the Presbyterian Church (U.S.A.), Whitworth stands within the historic Reformed tradition.

Believing that God is the ultimate source of all truth and is to be loved with "all our mind," Whitworth embraces freedom of inquiry and the unhindered pursuit of truth.

Whitworth is dedicated to academic excellence as expressed through its core of liberal arts and sciences and through rigorous disciplinary and interdisciplinary study. The Whitworth education is designed to broaden students' understanding of our cultural heritage, to promote critical thinking, to prepare students for productive work, and to stimulate creativity in responding to the challenges of life. In both its liberal arts undergraduate programs and its graduate professional programs, Whitworth employs a wide variety of pedagogical approaches. It emphasizes responsible action as the logical result of effective learning.

Whitworth is strongly committed to the educational value of a residential environment and is diligent in providing a range of learning opportunities. As a Christian institution, it takes with great seriousness its responsibility to help students understand and respond compassionately to the needs of the world. Recognizing that contemporary society is globally interdependent and increasingly calls for a cross-cultural perspective, Whitworth promotes concern not only for domestic issues but for matters of international import, as well. The college welcomes to its campus students of other religious and cultural traditions, convinced that their presence deepens our understanding of the world. Whitworth respects the uniqueness of each individual and therefore encourages each toward self-understanding, optimum personal development, and respect for differences.

Whitworth is determined to foster in its students a desire for independent and lifelong learning. Of critical importance is the challenge to explore the relationships among faith, learning, and culture. The college desires to graduate men and women who possess both the competence and the willingness to work toward a world in which the truth of God's redemptive love in Christ will be increasingly honored.

EDUCATIONAL GOALS

Intellectual Breadth: The college enlarges understanding and enjoyment of the world through balanced and coherent study of the arts, the humanities, and the natural and social sciences. We are especially concerned that all students achieve a clearer understanding of the Judeo-Christian tradition and of the rationalist and scientific traditions in Western civilization.

Intellectual Depth: The college enables students to master at least one academic discipline. We seek to prepare students for challenging careers and to inspire them to a life of vigorous intellectual inquiry.

Critical Thinking : The college enables students to use the tools of analytical and creative thinking to collect, process, and apply knowledge, and to imagine possibilities.

Effective Communication: The college teaches students to listen deliberately, speak persuasively, and write clearly, and to engage responsively in artistic expression.

Life in Community: The college promotes personal growth through a community which fosters self-understanding, a healthy life, enduring friendships, community service, and respect for others.

Multicultural Understanding: The college advocates an understanding of diverse cultures throughout the nation and the world. We prize the richness that comes from cultural diversity within our community.

Christian Faith: The college encourages students to give serious consideration to making a personal commitment to Christ and the church. This commitment initiates a life of discipleship that extends the values of the Kingdom of God into the world.

Ethical Decision-Making: The college encourages public and personal lives that face ambiguity, embody personal conviction, and courageously combat evil in families, communities, the nation, and the world.

Student Life and Services

Taking seriously the vision of George Whitworth to "provide an education of the mind and heart," the Student Life division participates in the educational mission of the college in viewing all aspects of life on campus as a laboratory for learning. We continue this tradition because we believe that this commitment to building character as well as cognitive skills reflects scriptural principle and community values; we also believe that this "whole person" approach to learning is educationally efficacious.

In order to nurture education of character, the Whitworth Student Life program offers numerous opportunities for involvement: residence hall communities are defined each year through goals set by students in residence area policy discussions; regular dorm programs range from "big hair bowling" to a world religions panel; Bible studies (or "S-groups") offer a chance for regular study, prayer and support; student leadership positions include resident assistant, student government (ASWC) officer, ministry coordinators, cultural diversity advocate, health coordinator and career-life advocate opportunities; spiritual mentoring groups led by members of the faculty and staff give students a chance to talk regularly about issues of faith and world view; service-learning projects take students into community areas of acute need; internship, cooperative education and student employment placements give students an additional layer of learning opportunity through direct supervised work experience. Given research indicating that active involvement in co-curricular as well as curricular college activities correlates positively with learning success and satisfaction, we consider these opportunities for decision-making, leadership and active community involvement to be vital to education.

In addition to the many avenues for involvement described above, the Student Life division offers numerous services designed to support learning in all areas of life. Health Center and counseling programs, career/life advising services, support networks for international and national students of color, and an active student activities program are available to enhance learning, encourage fun and build connection to the Whitworth community.

THE CHAPEL PROGRAM

Whitworth College enthusiastically embraces its call to provide an education of the mind and heart, equipping students to honor God, follow Christ, and serve humanity. The activities and programs sponsored by the Chapel are designed to help students receive an education that places Jesus Christ at the center of their Whitworth experience. As a college community, we seek to affirm by thoughtful inquiry and responsible action the biblical and historical faith.

It is the special responsibility of the Chaplain's Office to provide opportunities for students to explore the reality of God's love and to exercise leadership as they faithfully seek to follow Christ. Occasions for worship, personal growth, the building of Christian community, and mission and service are offered through the leadership of students and Chapel staff. Midweek Worship, retreats of solitude and prayer, special focus weeks, and covenant groups led by ministry coordinators are just some of the ways we promote a growing commitment to Christ. The linking of personal faith to the body of Christ (the church) and the nurturing of a passion for establishing God's love and justice in the world are two of the most important growth experiences of a student's years at Whitworth. Our programs and projects seek to promote this holistic growth.

The opportunities to explore the Christian faith offered through the Chapel are open to all students. We recognize and welcome the diversity of faith backgrounds and commitments of our student body. Each person is unique and the experiences and perspectives he or she brings are affirmed and respected. Yet we are convinced of the central reality of God's love expressed in Jesus Christ. It is our desire that all students be given the opportunity to consider thoughtfully the place of Christ in their lives. God has created each of us to find wholeness and to reach our full potential through a commitment to Christ and to the church.

We believe that Whitworth's commitment to Christ provides the cornerstone for a liberal arts education of the "heart and mind." The Chapel program seeks to enable students to live a life that faithfully follows Christ and compassionately serves humanity.

CAMPUS HOUSING

All students are required to live on campus for their freshman and sophomore years (a total of four housing terms) unless they reach 22 years of age before com-

pleting the sophomore year or four housing terms. Students who are married and living with a spouse, are living with their family, have dependent children living with them, transfer in with junior or higher class standing, or have certain bona fide physical/psychological limitations may be exempt from this requirement. Such exemptions must be processed using the Residency Requirement Waiver Request, available in the Housing Office.

ACADEMIC ADVISING

Each student is assigned a faculty member who serves as an academic advisor. Freshmen are assigned to a specifically designated freshman advisor. Following the freshman year, students select an advisor based on their areas of academic interest.

The advisor is the main link between the academic program and other resources of the college and, as such, plays an important role in the personal and academic development of students. Students are encouraged to discuss educational objectives as well as personal goals and problems with their advisors.

The advisor's signature is required on registration forms as evidence of approval of courses chosen each semester and January term. Any course withdrawals, adds or drops must also be approved by the advisor.

ACCESS/SPECIAL NEEDS PROGRAM

Whitworth is committed to providing equal opportunities to all academically qualified students. Resources are available to assist with learning and physical disability issues. Our policy is to ensure all students reasonable accommodations in the admissions process and in their programs of study and activities.

Academic requirements may be modified as necessary to ensure that Whitworth does not discriminate against students with disabilities, so long as accreditation of classes will not be at risk. These modifications shall not affect the substance of the educational programs nor compromise educational standards; nor shall they intrude upon legitimate academic freedom. Modifications may include changes in length of time permitted for the completion of degree requirements, substitution of specific courses, and other adaptations which may be needed.

Legal documentation of all disabilities may be required for services to be rendered. It is the responsibility of the individual student to request accommodation or auxiliary aids at least sixteen (16) weeks before classes, programs or activities begin.

Reasonable accommodations and auxiliary educational services that are not precluded by undue hardship to the institution may be requested through the Access/Special Needs Office. The use of tape recorders, brailers, guide dogs or other adaptive devices in the classrooms or campus buildings is permitted. Auxiliary services may include, but are not limited to the following:

- referral to appropriate on- or off-campus resources, services or agencies
- registration assistance
- note-taking services
- academic and tutorial services
- testing accommodations
- arrangements for special auxiliary aids, including taped texts, large print, interpreters
- disability parking

ASSOCIATED STUDENTS OF WHITWORTH COLLEGE

The Associated Students of Whitworth College is the student governance and programming component of the college. All full-time undergraduate students are members of ASWC. Elected student leaders represent each living area and off-campus students by providing information to students and obtaining information from students about all college policies and about curricular and extra-curricular programming. They provide a vital communication link between students and the faculty, staff and administration of the college. ASWC sponsors campus activities and programs such as Community Building Day, Springfest, movies, and concerts; provides performers and half-time shows at sporting events; and coordinates outdoor recreation, the SERVE volunteer service program, all student media including the newspaper, yearbook and radio station, and the Whitworth Intramural program, which includes competition in sports such as ultimate Frisbee, volleyball, indoor soccer, basketball, softball and roller hockey. All ASWC programming offices are located in the campus center.

ATHLETICS

Whitworth Athletics, which holds dual membership in NCAA Division III and the National Association of Intercollegiate Athletics (NAIA), is affiliated with the Northwest Conference of Independent Colleges (NCIC) and the Columbia Football Association. At Whitworth, students may choose from 15 varsity sports. Men can participate in soccer, cross-country, basketball, swimming, football,

baseball, tennis, and track and field. Women's sports include volleyball; soccer, cross-country, basketball, swimming, tennis, and track and field. Whitworth also offers a strong intramural program, which is available to the entire student body.

A commitment to excellence is the hallmark of Whitworth Athletics. During the '90s, nine Whitworth coaches have earned NCIC Coach of the Year honors, and since 1980, the college has produced more than 50 All-Americans and 30 Academic All-Americans. Our basketball teams are perennial NCIC contenders; our swimmers have recently finished as high as 3rd in the nation in the NAIA; members of our track teams have excelled in conference, regional and national competition; our soccer squads have experienced unprecedented success in recent years; the baseball team has made steady progress in a highly competitive league; and our football program, with a dynamic new coach at the helm, is ready to move up in the Columbia Football Association.

Our athletics facilities include the Boppell Memorial Track, dedicated in 1995; the Pine Bowl football stadium, refurbished in 1994; the Aquatic Center, recent venue for regional and national swim meets; and the Whitworth Fieldhouse, home of the recently completed Dr. James P. Evans Sports Medicine Center — one of the finest athletic treatment centers in the Pacific Northwest.

Whitworth's mission as a Christian liberal arts college is emphasized in its athletic program: Student-athletes are encouraged to participate fully in the academic, spiritual and social life of the campus, and Whitworth coaches are chosen for their effectiveness as teachers and mentors as well as for their athletic knowledge and ability. At Whitworth, we take great pride in the athletic and academic accomplishments of our students; we strive to equip our student-athletes to excel in sports, in academics, and in life.

LIBRARY

The Harriet Cheney Cowles Memorial Library is vital to the educational and intellectual life of the college.

Located at the heart of the campus, with a satellite unit in the Eric Johnston Science Center, the library provides a balanced collection of more than 162,000 books, periodical volumes, volume-equivalents on microfilm, recordings, and audiovisual media.

A new east wing and a complete renovation of the older section, completed in 1992, have doubled the library's former size and created a spacious, comfort-

able, and inviting environment for students as well as outstanding facilities for a full range of information and educational technology services. The library is home to both the Academic Computing Department and the Audiovisual Center.

Through its participation in regional and national library networks, the library serves as the gateway to vast resources beyond its walls via computer access and interlibrary loan services.

Key to the library's mission is its staff, which strives to provide consistently friendly, professional service. Four library faculty members, combining scholarly credentials with training in library and information services, have responsibility for the library's teaching mission, development and organization of its collections, and supervision of its operations. They conduct library instruction workshops, provide individual research assistance, and often teach classes in their areas of subject expertise.

INSTRUCTIONAL RESOURCES

The division of Information Resources supports three microcomputer labs centrally located in Cowles Memorial Library. Students have access to Apple Macintosh, IBM, and IBM-compatible computers installed in these labs. Software for word processing, electronic spreadsheets, databases, graphics, statistics, and other applications are supported in the labs. The labs are staffed with knowledgeable student assistants to provide support for student users.

Academic departments utilize computers in the teaching of the specific disciplines. Some courses are taught in the computer labs, while others use the labs and network facilities to supplement courses. In addition, some departments have on-site computer labs for student access.

Students may connect their personal computers to the college network directly from their dorm rooms or remotely from off campus. The campus network provides access to campus information resources and services, including connection to the Internet, giving students and faculty access to a world of computer networks and information systems.

CAREER LIFE ADVISING/STUDENT EMPLOYMENT

Career development and career choices should flow out of an understanding of personal skills, interests, experiences and world needs. The Career Life Advising Office assists students in exploring interests, values, and an understanding of God's work in the world as they re-

late to academic and professional goals. Career-life advocates, paraprofessionals in the residence halls, and the staff of the Career-Life Advising Office offer computerized testing, career-related seminars, residence hall workshops, and individual advising to students. An extensive, up-to-date career library is available as a resource for researching careers, employers, international opportunities, graduate/professional schools, and seminaries.

Student Employment assists Whitworth students in obtaining part-time employment to help them to meet their college expenses. Part-time positions on and off campus are posted in the Student Employment Office. These include both work-study and non-work-study positions.

SEXUAL HARASSMENT

Whitworth College has a clearly defined policy prohibiting all forms of sexual harassment that applies to all campus constituencies.

For the purposes of this policy, sexual harassment is defined as follows: Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic advancement; (2) submission to or rejection of such conduct by an individual is used as the basis for employment decisions or academic decisions affecting such individuals; or (3) such conduct has the purpose or effect of interfering with an individual's work or academic performance or creates a demoralizing, intimidating, hostile, or offensive working or academic environment.

Refer to the Student Handbook section on "Community Values and Behavioral Expectations" when there has been a potential violation of this policy. More information is available in the Office of the Associate Dean of Students.

BEHAVIORAL PROBATION AND SUSPENSION

Students may be placed on behavioral probation on the basis of their cumulative record of behavioral policy violations, violation of civil law, or other behavior which places, or has the potential of placing, the offender or the Whitworth community, its mission, or any of its members, in jeopardy. As such, behavioral probation is considered and applied in situations where it is believed that such action may redirect a student's behavior so that suspension will not be necessary.

Behavioral probation consists of a contract between a student and the college, specifying behavioral criteria for continued enrollment. Any violation of these criteria on the part of the student may result in behavioral suspension. The decision to place a student on behavioral probation is made by the dean of students or her/his designee.

Behavioral suspension includes suspension from classes as well as from all other Whitworth facilities and services, and it may be imposed at any time that behavior warrants such action.

The decision to suspend a student on behavioral grounds is made by the dean of students or her/his designee. If a student feels that there are mitigating circumstances, he or she has until 5 p.m. of the business day following the notice of the suspension decision to file a written request for appeal with the Educational Review Board, through the board chair.

BEHAVIORAL CONDUCT REGULATIONS

As members of the Whitworth community, all students are asked to become familiar with the values that are part of the character of the college, and to conduct themselves in accordance with these behavioral expectations. Campus life at Whitworth College is directed by three primary policies:

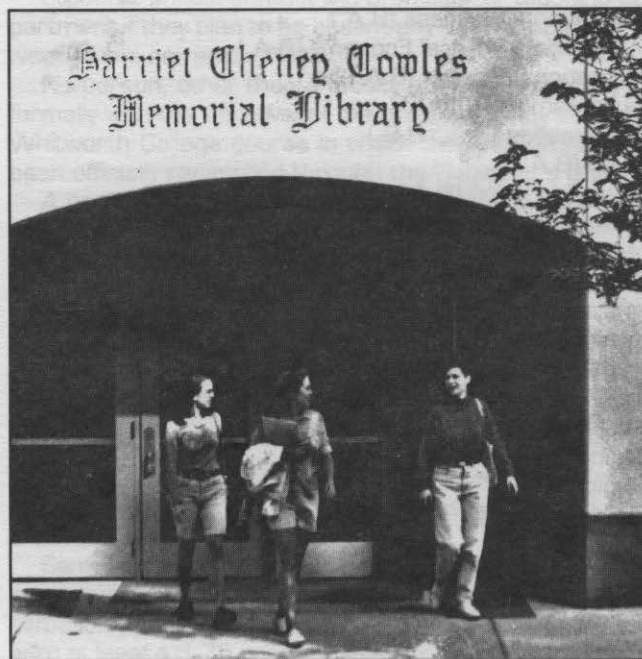
1. There is to be no possession, distribution, or consumption of alcohol or illegal mood-altering substances on campus.
2. There is to be no cohabitation on campus. We understand the term "cohabitation" to include genital sexual participation outside marriage, and/or the spending of a night together by two people of the opposite sex who are not married to each other.
3. There is to be no violent or destructive behavior on campus. This prohibition includes such behavior as fighting, malicious vandalism, and any behavior that results in destruction or loss of property (including theft), or disruption of community life. This prohibition also includes behavior, including assault, sexual assault and sexual and racial harassment, that causes personal injury. See definition of sexual harassment on previous page. Racial harassment is defined as follows: verbal or physical conduct that disparages or demeans an individual based upon racial identity, creating an environment that interferes with work or academic performance because that environment has become demoralizing, intimidating, hostile or offensive.

These policies are based on a number of considerations which the campus community has determined are essential for the quality of life and educational pursuit desired at this Christian liberal arts college.

In accordance with the Drug-Free Schools and Communities Amendments of 1989, Whitworth College does have a drug prevention program which is outlined in the Student Handbook. More information is available from the Office of the Associate Dean of Students.

RULES AND REGULATIONS

It is Whitworth's expectation that each student will follow college rules and regulations as they are stated in the catalog. In instances where no appeal procedure is spelled out and the student believes that a special set of circumstances makes appeal reasonable, he or she may appeal the application of specific rules or regulations to the Office of the Academic Provost. This office will either render a decision on the appeal or refer the student to the proper office for a decision. While Whitworth College makes every effort to assist students through the academic advising system, the final responsibility for meeting all academic and graduation requirements rests with each individual student.



Academic Information

ACADEMIC MAJORS AND PROGRAMS

Accounting (B.A.)
 American Studies (B.A.)
 Art (B.A.)
 Art Education (B.A.)
 Arts Administration (B.A.)
 Bachelor of Liberal Studies (B.L.S.)
 Biology (B.A., B.S.)
 Business Management (B.A.)
 Chemistry (B.A., B.S.)
 Communication (B.A.)
 Computer Science (B.A., B.S.)
 Cross-Cultural Studies (B.A.)
 Economics (B.A.)
 Education (Elementary, Secondary, Special Ed K-12)
 Engineering (3-2)
 English (B.A.)
 French (B.A.)
 History (B.A.)
 International Business (B.A.)
 International Political Economy (B.A.)
 International Studies (B.A.)
 Journalism (B.A.)
 Mathematics (B.A., B.S.)
 Music (B.A.)
 Music Education (B.A.)
 Nursing (B.A.)
 Peace Studies (B.A.)
 Philosophy (B.A.)
 Physical Education (B.A.)
 Physics (B.A., B.S.)
 Political Studies (B.A.)
 Pre-Professional (Dental, Law, Medicine, Ministry, Veterinary)
 Psychology (B.A.)
 Religion (B.A.)
 Sociology (B.A.)
 Spanish (B.A.)
 Speech Communication (B.A.)
 Sports Medicine (B.A.)
 Theatre Arts (B.A.)
 Areas of Concentration (B.A., B.S.)

ACADEMIC CREDIT AND EVALUATION

Academic credit is awarded on the basis of semester credits. One semester credit is equivalent to 14 contact hours and two hours of work outside of class for each contact hour. Evaluation of coursework is made in a variety of ways, depending on the nature of the course. Mid-term grades are given to students receiving "C-", "D", or "F" grades so that there is opportunity to improve performance. Final letter grades ("A", "B", "C", "D", "F", including plus/minus option) are given in most courses, and students are informed in advance of those few courses which are evaluated on a Pass/No Credit basis. Students may choose to take one course on a Pass/No Credit basis each academic year. Core courses, Education courses and courses included in or required for majors cannot be taken on a Pass/No Credit basis.

NORMAL FULL-TIME COURSE LOAD

The normal load for full-time students is 12 to 17 semester credits in the fall and spring semesters, and three to five semester credits in the January term. The maximum allowable load in the summer is three semester credits in a three-week session and six semester credits in a six-week session. A student must average 32.5 semester credits per year to graduate in four years. Permission to enroll in more than the normal load must be approved in writing by the registrar, associate dean, or provost.

CHANGES IN REGISTRATION

Deadlines for dropping and adding classes are published in the schedule of classes each semester. Late fees will be charged for schedule changes after the first week of classes, or for finalization of day school registration beginning the first day after classes begin.

CLASS STANDING

Class standing is determined as follows:

Freshman	0-29 credits
Sophomore	30-59 semester credits
Junior	60-92 semester credits
Senior	93 and above semester credits
130 to graduate (126 for Evening/Continuing Studies students)	

GRADES AND QUALITY POINTS

The following symbols are used:

A	Superior — 4 points
A-	3.7 points
B+	3.3 points
B	Good — 3 points
B-	2.7 points
C+	2.3 points
C	Fair — 2 points
C-	1.7 points
D+	1.3 points
D	Poor — 1 point
D-	.7 points
F	Failure — 0 points
W	Official Withdrawal; does not affect GPA
WF	Unofficial Withdrawal, usually given when student stops attending class without an official withdrawal; computed as an "F" in the GPA
I	Incomplete, to be made up by six weeks into the next fall or spring semester
I/P	In-Progress, given only when the work, by design, extends beyond the end of the term
S	Satisfactory, given upon completion of a Satisfactory/Not Satisfactory course; does not affect GPA
NS	Not Satisfactory, given for unsatisfactory work in a Satisfactory/Not Satisfactory Course; does not affect GPA
P	Pass, for Pass/No Credit grading option class
NC	No Credit, for a C-, D, or F under the Pass/No Credit grading option
X	Grade not submitted by instructor
AUD	Audit; does not affect GPA

CALCULATION OF THE GRADE POINT AVERAGE

Current and cumulative grade point averages are calculated on the basis of grades earned at Whitworth College only. A student may transfer credits from another accredited institution that count toward the total required for graduation, but the student cannot transfer the grades received in those courses.

The grade point average (GPA) is computed by dividing the quality points total by the total number of graded credits attempted during any given grading period. Quality points for a course are determined by multiplying the numerical equivalent of the letter grade by the credit attempted. Pass/No Credit and Satisfactory/Not Satisfactory grades are not used in computing the GPA.

PASS/NO CREDIT GRADING OPTION

Students may choose to take one P/NC course each academic year at Whitworth. Core courses, courses in the major or area of concentration, and Education courses are excluded from this option. Students may elect to take PE activity courses Pass/No Credit. A grade of No Credit will be assigned in a P/NC course on the basis of a grade of C- or less. The term "Satisfactory/Not Satisfactory" is commonly used for grading internships, study tours, and specific non-graded courses.

CLASS ATTENDANCE

Class attendance is expected and may be included in the calculation of the grade for the class. To provide enrollment space for others, students who do not attend regularly scheduled class meetings during the first week of the semester/term are subject to being dropped at the discretion of the professor.

However, students must not assume that instructors will automatically initiate a course drop for non-attendance. Students who register for courses they do not attend are themselves responsible for officially dropping the courses through the Registrar's Office. The consequence of not officially dropping a course is a WF (withdraw failing) grade.

Students should contact the professor or teaching department if they plan to be absent any day during the first week of the semester/term.

No person, other than a faculty member attending informally with the approval of the professor, may attend a Whitworth College course in which that person has not been officially registered through the Registrar's Office.

A professor may allow a student to attend his or her class only if the student's name appears on the official class roster from the Registrar's Office.

HONORS

Graduation honors are:

Cum Laude	3.50 GPA
Magna Cum Laude	3.75 GPA
Summa Cum Laude	3.90 GPA

Honors must be based on at least 32 semester credits taken at Whitworth. Transfer grades are not included in honors computation.

Semester honors: at the end of each fall and spring semester, all students who have registered in at least 12 semester credits for which A-F grades are given and who earn at least a 3.75 grade point average are given Dean's

Honor Roll recognition. This includes a congratulatory letter from the dean, membership in the Laureate Society, and participation in its activities. These students are allowed to take two semester credits beyond the maximum of 17.0 per term (excluding forum) free of charge. (Academic Affairs Office approval is required.)

ACADEMIC HONESTY

Just as the faculty, staff and administration of Whitworth College strive to be forthright, direct, and honest, and to value integrity in all their dealings, they expect all students to function in like manner. Students are expected to adhere to the highest standards of academic honesty and to refrain from any action which is dishonest or unethical. In all academic exercises, examinations, papers, and reports, students are expected to submit their own work. The use of the words or ideas of others is always to be indicated through an acceptable form of citation.

At the beginning of each course, the faculty will reiterate this policy both verbally and in the printed course materials.

Definition of plagiarism: Plagiarism occurs whenever anyone attempts to pass off as his or her own work, either verbally or in writing, the words and ideas of others. Plagiarism most often occurs in those projects that require independent preparation (outside of class); although it can occur in an essay examination, this is not generally the case.

Plagiarism can be either inadvertent (a failure to understand the responsibility for acknowledgment or the means by which acknowledgment should be made) or willful (a conscious intent to deceive the reader).

Definition of cheating and dry labbing: Cheating is any academic activity in which the student submits for grade or credit work that is not his or her own and/or work that has not been done within the structure and context established by the assignment. It may occur in a variety of ways: copying another student's homework, copying answers from another student's test, bringing into a test unauthorized notes or materials, copying another student's lab notes, or making up fictitious lab results (also known as "dry labbing"). All cheating is regarded as willful deception.

Consequences of violations of the policy on academic honesty: The faculty member will confront the student(s) in cases of suspected violations of the policy on academic honesty and will keep a written record of the incident.

The faculty member will assess the gravity of the violation and determine the consequences, which may range from a failing grade on the specific assignment to a failing grade in the course.

The student has a right to appeal any faculty member's decision to the Academic Affairs Office.

The faculty member will report violations of the policy, with the consequences, in writing to the affected student's academic advisor.

If, after receiving one report of a violation, an academic advisor receives subsequent reports of further violations, the advisor will report these incidents to the Educational Review Board.

After two reported violations of the policy on academic honesty, the Educational Review Board may suspend the student for the remainder of the current term.

ACADEMIC PROBATION AND SUSPENSION

A student is placed on academic probation at the end of any semester or term in which his/her cumulative grade point average falls below 2.00. Since probation removes a person from good academic standing, students on probation will be limited in their opportunities to participate in off-campus study programs and in extracurricular activities (varsity sports, student government, student publications and radio broadcasting, for example). Students remain on probation until their cumulative grade point average reaches the minimum 2.00 standard.

Students receive an academic warning when, during any fall or spring semester, their current semester grade point average falls below 2.00 while their cumulative grade point average is 2.00 or above. Any student who receives an academic warning for two or more consecutive semesters will be reviewed by the Educational Review Board and may be placed on probation. Extracurricular activities are not limited by an academic warning.

Students may be suspended at the end of any semester or term in which their semester grade point average falls below 1.00 or if, after being placed on probation, they fail to earn at least a 2.00 grade point average for the succeeding semester or term.

If there are mitigating reasons for unsatisfactory progress that result in suspension, students may appeal in writing to the Educational Review Board through the Registrar's Office.

Reinstatement after any semester or term on suspension is dependent upon written application to the Educational Review Board through the Registrar's Office.

The Educational Review Board may establish more stringent standards of probation and suspension for first-year students on provisional admission.

NORMAL PROGRESS AND FINANCIAL AID

The normal load for full-time students is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in the January term. Registration for less than a full-time load will prevent a student from receiving some forms of financial aid.

A student must average 32.5 credits per year in order to graduate in four years. The total number of semester credits required for graduation is 130. The maximum allowable time for a financial aid recipient to complete a degree and receive aid is five and a half years.

More information on satisfactory progress requirements for financial aid recipients is available in the Financial Aid Office.

ACADEMIC GRIEVANCES

It is assumed that most grievances will be resolved in conversation between a student and his/her professor or within the department involved. However, in cases where resolution is not so easily achieved, the procedures are as follows:

- a) The student must first seek resolution of the conflict in consultation with the professor. Before becoming involved in the matter, the associate dean for Academic Affairs will ensure that this initial exchange has taken place.
- b) If a satisfactory resolution is not possible in the first phase, the student may appeal in writing to the provost for adjudication in the matter.
- (c) Grade discrepancies must be resolved by the end of the term following the receipt of the disputed grade.

ACCEPTANCE OF TRANSFER CREDITS

A maximum of 64 semester credits may be transferred from a two-year college. Courses in which the student received a "C-" grade or lower, vocational-technical courses, non-college-level courses and incomplete courses are not transferable. Credit from Bible schools and non-accredited colleges are evaluated on a course-by-course basis.

To meet the general education requirements, an approved associate degree must be earned prior to initial enrollment at Whitworth by the transfer student.

TRANSFER POLICIES FOR WASHINGTON COMMUNITY COLLEGES AND NORTH IDAHO COLLEGE TRANSFERS HOLDING THE ASSOCIATE ARTS DEGREE

A student transferring to Whitworth College with a North Idaho College Associate of Arts Degree or with a Washington state community-college-approved transferable Associate degree from the ICRC (Intercollege Relations Commission for the State of Washington) will receive:

1. Junior standing (60 semester credits)
2. Transfer credit of a maximum of 90-95 quarter credits or 60-64 semester credits.
3. Waiver of all general requirements, with the following exceptions:
 - a. A choice of one of the following: Core 150 Western Civilization I: The Judeo-Christian Tradition; Core 250 Western Civilization II: The Rationalist Tradition; or Core 350 Western Civilization III: The Scientific Tradition.
 - b. Biblical Literature—three semester credits in the Old Testament, New Testament, or one or more books of the Bible (usually taken at Whitworth)
 - c. Foreign Language — eight semester credits, 15 quarter credits or a full year of college credit — in modern foreign language including American Sign Language will be required.
4. Transfer students are encouraged to contact the Whitworth College Registrar's Office to determine applicability of their coursework to specific bachelor's degrees. General information can be given over the telephone (toll-free at 1-800-532-4668). A complete transcript evaluation is available by sending the request with an official copy of college transcripts to: Registrar's Office, Whitworth College, Spokane, WA 99251-0110.

TRANSCRIPT REQUEST VIA CREDIT CARD

Transcripts may be ordered via the 24-hour, 7-days-per-week request service as long as the transcript fee is paid by VISA or Mastercard credit card. Call (509) 466-3722 and report your name, student number or social security number, address, when you last attended Whitworth College, the number of transcripts you are ordering, the addresses where you want the transcripts to be forwarded, your credit card company, your credit card number, the name on the card, and the card expiration date. There is a fee of \$4 for each transcript. Transcripts are prepared with the college seal and the signature of the registrar.

ALTERNATIVE COURSE CREDIT

A maximum of 32 alternative semester credits (48 quarter credits) may be counted toward graduation. Alternative credit includes CLEP (College Level Examination Program) and Advanced Placement credit, course challenge examinations, credit based on completion of advanced work, extension and correspondence credits, and credit for military service and schools. Contact the Registrar's Office for further information.

CLEP

Whitworth grants academic credit for sufficiently high scores on CLEP General and selected CLEP Subject Examinations. These cut-off scores are listed on the CEEB (College Entrance Examination Board) publication, "College Placement and Credit by Examination," available at most high schools and colleges, or may be obtained by contacting the Continuing Studies Office at (509) 466-3222.

ADVANCED PLACEMENT

Whitworth is an active participant in the CEEB Advanced Placement program. Any score of three or above on an AP test will give a student at least three semester credits at Whitworth, and in many cases will also satisfy a general graduation requirement and/or requirement for an academic major.

VETERANS

Whitworth College is approved for veteran training as an institution of higher education by the Higher Education Coordinating Board. The college is committed to upholding and complying with the intent of Veteran's Administration (VA) regulations. Benefit recipients must meet satisfactory progress standards in order to continue receiving benefits for study. Standards are basically the same for VA benefit recipients as for other students. Records which permit monitoring of progress are kept in the Registrar's Office.

Termination of benefits will be initiated upon receipt of a withdrawal form or notification by an instructor that a student is not attending class. It is the responsibility of the benefit recipient to submit a withdrawal form to the registrar and notify the veteran's coordinator immediately upon stopping attendance in any course.

CONFIDENTIALITY

Each academic year the college informs students of the Family Educational Rights and Privacy Act of 1974, as amended. This act is designed to protect the privacy

of education records, to establish the right of students to inspect and review their academic records, and to provide guidelines for the correction of inaccurate or misleading data through informal or formal hearings. Students have the right to file complaints with the FERPA Office concerning alleged failure by Whitworth College to comply with this act.

At its discretion the college may provide directory information in accordance with the provisions of the act to include student name, address, telephone number, date and place of birth, major field of study, dates of attendance, class standing, degrees and awards received, most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams.

Students may withhold directory information by notifying the Registrar's Office in writing within two weeks after the first day of class for each semester. This request for non-disclosure will be honored for that semester and will cover all of the information listed above.

The complete institutional policy statement related to the Family Educational Rights and Privacy Act of 1974 is available through the Registrar's Office.

EQUAL OPPORTUNITY POLICY

It is the policy of Whitworth College to provide equal educational opportunity without regard to age, race, color, religion, national origin, sex, marital status, or disability as defined by law, in accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments Act of 1972, Sections 799A and 845 of the Public Health Services Act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1991.

In addition, Whitworth provides equal employment opportunity without regard to age, race, color, national origin, sex, marital status, or disability as defined by law, in accordance with Title 49.60 of the Washington Law Against Discrimination, Equal Pay Act of 1963, Title VI and VII (as amended by the Equal Employment Opportunity Act of 1972) of the Civil Rights Act of 1964, Age Discrimination in Employment Act of 1967, Title IX of the Educational Amendments Act of 1972, Section 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans Readjustment Act of 1974, and the Americans with Disabilities Act of 1991.

Graduation Information

REQUIREMENTS FOR GRADUATION

I. Completion of an approved major or area of concentration.

II. Completion of general college requirements (a minimum of 50 semester credits).

NOTE: a student may not use the same course to satisfy more than one of the general college requirements):

A. Biblical Literature

Three semester credits chosen from the following:

RE 130	Introduction to the Bible
RE 231	Old Testament
RE 241	New Testament
RE 242	Life and Teachings of Jesus

A course in the Religion Department dealing with one or more books of the Bible.

B. Written Communication

Three semester credits chosen from the following:

EL 110	Writing I
EL 210	Writing II (by permission)
JR 125	Writing for Mass Media

All entering freshmen and transfer students who have not already fulfilled a freshman writing course will be given a test to ascertain their level of ability. Those freshmen scoring below the acceptable level will be required to take EL 093 (Developing Writing Skills) in their first semester at Whitworth and must earn a grade of "C" or above in this course before they may take one of the above-listed courses to meet the Written Communication requirement. Students not earning a "C" or above in EL 093 will be required to take the course again the next time it is offered.

Additionally, one designated writing-intensive course must be taken within the major program. Courses labeled with a "W" after the number meet this requirement.

C. Oral Communication

Three semester credits chosen from one of the following:

SP 113	Interpersonal Communication
SP 210	Introduction to Public Speaking
SP 223	Small Group Communication

TA 231

Interpretation

An approved departmental course within one's major. (Education students must take ED 306 or 308. This requirement is waived for nursing majors.)

D. All three of the following Core courses:

CO 150	The Judeo-Christian Tradition
CO 250	The Rationalist Tradition
CO 350	The Scientific Tradition

E. Fine Arts

One of the following:

FA 101	Introduction to the Fine Arts
One three-semester credit course in Art, Music or Theatre	
Three one-semester credit courses in music and or theatre performance	

F. Foreign Language

Eight semester credits (one year beginning level) in the same language (American Sign Language allowed), or Demonstrated proficiency based on one of the Modern Language Competency Exams administered by Whitworth College during fall Orientation, or

Following FR 101 or SN 101, FR 130/SN 130 Everyday French/Spanish may be used to fulfill the foreign language requirement if taken before a study tour to France or Central America. In all other cases a student must complete FR 102 or SN 102.

G. Humanities

Important Note: A course which fulfills the Humanities requirement may not also be used to fulfill the general graduation requirement in Fine Arts, Modern Language, Multicultural Studies, or Social Science.

Three semester credits chosen from the following:

■ Art

AR 260/360	History of Ancient Art
AR 261/361	History of Renaissance/Baroque Art
AR 260	History of Multicultural Art
AR 263/363	History of Modern/Contemporary Art
AR 264/364	History of Medieval Art

■ Communication

SP 347W	Rhetorical History and Theory
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■ English

EL 125	Reading Literature
EL 205	American Literature: Eras and Modes
EL 207	British Literature to 1800
EL 208	British Literature 1800 to the Present
EL 212	Religious Themes in Modern Literature
EL 213	Myths and Fairy Tales

- EL 233 The Epic
- EL 250 American Film
- EL 251 Modern World Literature
- EL 300 Domain of the Arts (in San Francisco)
- EL 305 Contemporary American Poetry
- EL 307 Women in American Fiction
- EL 308 Neoclassicism
- EL 316 Saints and Sinners in 19th-Century American Fiction
- EL 321 The American Novel
- EL 324 Literature and Culture of France
- EL 331 Southern Renaissance
- EL 333 Literary England
- EL 349 20th-Century American Literature
- EL 352 Classic Foreign Film
- EL 353 Shakespeare: Early
- EL 354 Shakespeare: Late
- EL 360 20th-Century British Literature
- EL 362 The Bible as Literature
- EL 371 British Renaissance
- EL 372 American Renaissance
- EL 374 Seventeenth-Century British Poetry
- EL 375 Victorian Poetry
- EL 376 British Romanticism
- EL 377 Modern Poetry
- EL 401 Moby Dick
- EL 405 Chaucer and Medieval Literature
- EL 454 Russian Literature
- EL 455 Milton
- EL 465 English Novel

■ History

- HI 120 The Crusades
- HI 220 Ancient and Medieval Worlds
- HI 222 The Modern World
- HI 235 Portraits of America
- HI 297 Nonviolent Defense/Conflict Resolution
- HI 320 Nineteenth-Century America
- HI 374 Renaissance and Reformation
- HI 375 Early American History
- HI 377 The Enlightenment
- HI 488 Ideas About History

■ Modern Language

Any 300- or 400-level literature course taught at Whitworth or through the Intercollegiate Language Study Consortium.

■ Music

- MU 201 Introduction to Music Literature
- MU 206 History of Jazz
- MU 301 Music History I
- MU 302 Music History II

■ Philosophy

- PH 110 Introduction to Philosophy
- PH 261 C.S. Lewis
- PH 305 History of Ancient Philosophy
- PH 306 History of Modern Philosophy
- PH 320 Philosophy of Religion
- PH 332 God, Good, and Evil
- PH 335 Contemporary Philosophical Issues
- PH 351 Philosophical Ethics
- PH 353 Existentialism
- PH 354 Bioethics

■ Political Studies

- PO 297 Nonviolent Defense/Conflict Resolution
- PO 433 Western Political Thought
- PO 434 American Political Thought

■ Religion

- RE 305 Technology and Religion
- RE 313 History of Christianity I
- RE 314 History of Christianity II
- RE 322 Encountering the Secular Mind
- RE 323 Christianity in America
- RE 328 Christ and Culture
- RE 361 C.S. Lewis
- RE 361 Christian Doctrine
- RE 384 Christian Ethics

■ Theatre Arts

- TA 476 History of Theatre I
- TA 477 History of Theatre II

H. Multicultural Studies

One approved course taken in a foreign country, or an approved off-campus course in the United States dealing with a cross-cultural encounter, or a designated cross-cultural studies course taken on campus. Multicultural courses are designated in the announcement of course offerings each semester. Field studies or internships with significant attention to another culture may qualify with the approval from the Committee for International and Multicultural Education. The following on-campus courses fulfill this requirement:

- BI 109 Global Environmental Issues
(fulfills half the Natural Science/Mathematics requirement or the Multicultural requirement, but not both)
- EL 107E American Studies
(International Students Only)
- EL 235 Asian-American Literature
- GE 211 Living with Cultural Differences
- HI 245 Cultural History of China & Japan
- HI/PO 346 Contemporary China/East Asia
- HI 325 Latin American History
- HI/PO 340 Contemporary Africa
- HI/PO 341 Contemporary South Africa
- MU 304 World Music Traditions
- PH 256 Eastern Philosophy
- RU 222 Contemporary Russia
- SO 307 Contemporary Latin American Problems
- SO 238 Sociology of the Middle East

400-level Modern Language literature or culture classes, excluding FR 421, FR 424.

I. Natural Science/Mathematics

Three credits from each of two of the following areas (non-major courses meeting this requirement are listed):

■ Astronomy

- PS 141 Introduction to Astronomy

■ Biology

- BI 101 Life Science
- BI 103 Human Biology
- BI 104 Human Ecology
- BI 105 Plants in Culture
- BI 106 Biology of Women
- BI 109 Global Environmental Issues
(fulfills Natural Science/Math requirement or Multicultural requirement, but not both)

■ Chemistry

- CH 112 Chemistry and Health
- CH 122 Chemistry in Modern Living

■ Geology

- GL 131 Physical Geology
- GL 139 Environmental Geology

■ Physics

- PS 121 Concepts of Physics

■ Mathematics

MA 107 Basic Concepts in Modern Mathematics, or any Whitworth math course numbered 107 or greater.

Math 064, 094, and 101 do not fulfill this requirement. Courses in computer science do not fulfill this requirement.

All entering freshmen and transfer students who have not completed college-level math (at least Math 107 level) will be given a test to determine their level of ability in the areas of arithmetic and algebraic reasoning. Those freshmen scoring below the acceptable level will be required to take MA 064 (Arithmetic Review) and/or MA 094 (Introduction to Algebra) in their first semester at Whitworth and must earn a grade of "C" or above in the course(s) as part of their graduation requirement. Students not earning a "C" or above in MA 064 and/or MA 094 will be required to take the course again the next time it is offered.

J. Physical Education

Three different activity courses, at least one of which is to be chosen from the following aerobic classes:

- PE 114 Slimnastics
- PE 126 Foundations of Physical Activity
- PE 132 Fitness Programs
- PE 134 Jogging/Aerobics
- PE 141 Water Aerobics
- PE 149 Swimming for Fitness
- PE 166 Aerobics

NOTE: A maximum of eight Physical Education activity courses may be counted toward the total credits requirement (see IV below).

K. Social Science

One three-semester credit course in one of the following:

- Economics
- History (excluding HI 220, 222, 235, 297, 320, 374, 375, 377, 488)
- Political Studies (excluding PO 433 and 434)
- Psychology
- Sociology

III. Total upper-division semester credits required:36

IV. Total semester credits required:

- Regular day students: 130
- Evening/Continuing Studies students: 126

V. Residency

At least 32 semester credits must be completed in residence at Whitworth College, including the last semester of the senior year.

VI. Grade Point Average

A student must accumulate a 2.00 average in (1) all

Whitworth courses, and (2) courses in the declared major or area of concentration. Education majors must accumulate a 2.50 average in both their major or area of concentration and overall. Those with declared majors in Education must attain a 2.00 in each of the courses directly related to teacher certification.

CHANGES IN GRADUATION REQUIREMENTS

The graduation requirements as published in the Whitworth College catalog in effect at the time of the student's initial enrollment are those which should be met for completion of an undergraduate degree program. However, students who withdraw from Whitworth and return after an absence of more than one year must meet the graduation requirements in effect at the time of their return; students who return within one year may remain under the conditions of the original catalog. Additional information may be obtained from the Registrar's Office.

APPLICATION FOR GRADUATION

Beginning in spring semester of the junior year, students apply for the specific degrees desired. "Application for Graduation" forms are available in the Registrar's Office. Degree audits are available prior to each registration period or upon demand. Students must petition to walk in the May ceremony if all requirements will not be completed by the end of spring semester. Detailed graduation information will be sent to all students who have applied to graduate.

DOUBLE MAJORS

A student may graduate with more than one major if all requirements are met for each major involved. There is no limitation on course overlap between two declared majors.

SECOND FIELD

A student may choose a second teaching field in preparation for secondary-level teacher certification. Particulars are noted in separate departmental listings.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

A Whitworth graduate seeking a second bachelor's degree must meet the major requirements of a second major, satisfy all general education requirements in place at the time the second degree is initiated, and complete 30 units of work beyond the first degree, at least 15 of which must be taken after receiving the first degree.

A student with a bachelor's degree from another institution who pursues a B.A. or B.S. will be expected to meet all the major requirements, the 32-semester-credit residency requirement, and the general college requirements, and must receive a degree in a different field than the first degree.

Students seeking a second baccalaureate degree must seek the approval of their advisor and the registrar.

CHANGES IN ACADEMIC PROGRAM

Students may elect to change their major, area of concentration, or second field, but are advised to evaluate possible increases in the length of time required to graduate. Any changes of program must be requested in writing at the Registrar's Office.

COURSE NUMBERING SYSTEM

Whitworth's courses are numbered sequentially from 100 through 599. The following schedules of general and special course numbers should serve as helpful reference tools when you select courses.

General Course Numbers:

Lower Division

100-199 — Primarily for freshmen (May not be taken for graduate credit)

200-299 — Primarily for sophomores (May not be taken for graduate credit)

Upper Division

300-399 — Primarily for juniors and seniors (Graduate students may count a limited number of credits)

400-499 — Primarily for seniors (Graduate students may count a limited number of credits)

500-599 — Graduate level (Undergraduates may enroll only with special permission)

Special Course Numbers:

At all levels, course numbers ending in 80, 86, or 91-95 indicate special courses. Particular subject matter of these courses may vary. All departments may offer these types of courses, but because not all may be listed in this catalog, students are urged to ask individual department offices for the availability of courses of the type and level desired. Their designations are:

80 — Field Study

90 — Internship

91-92 — Independent Study

95 — Teaching Assistantship

96 — Special Topics

Undergraduate Programs

CORE

The Core courses are interdisciplinary, thematic courses designed to acquaint Whitworth students with the many historical forces which have shaped our patterns of thinking, defined our value commitments, and created the options of behavior and decision-making open to us today. All students are required to take Core 150 (the Judeo-Christian Tradition), Core 250 (the Rationalist Tradition), and Core 350 (the Scientific Tradition) as part of the General Graduation Requirements.

CO 150 WESTERN CIVILIZATION I: THE JUDEO-CHRISTIAN TRADITION (4)

A foundational course on Western Civilization with special emphasis on the Jewish-Christian tradition. Exploration of the diverse world views of the major world religions, the Bible, Western church history, and modern secular society. The course challenges students to form their own world view. Fall and spring semesters.

CO 250 WESTERN CIVILIZATION II: THE RATIONALIST TRADITION (4)

Origins and development of classical humanism, and its challenges and meaning in the world today. Philosophy, literature, history, and continuing impact of ancient Greece, the Middle Ages, the Renaissance, and the Enlightenment. Nineteenth- and 20th-century challenges to rationalism and humanism. Fall and spring semesters and summer.

CO 350 WESTERN CIVILIZATION III: THE SCIENTIFIC TRADITION (4)

Cultural, philosophical and intellectual contexts from which modern Western science emerged. Subsequent development of scientific methodology and the concomitant changes in the perception of the natural, material world; social, environmental, and moral consequences of science and technology in contemporary society. Prerequisite: completion of the General Education Natural Science requirement. Fall and spring semesters.

FORUM

All full-time Whitworth students are enrolled in Forum for a minimum of six semesters, for a maximum of 3.00 semester credits. Grading is "Pass/Fail" based on attendance. Forum brings together the entire campus community twice each week as well as for specified campus events, which will be advertised each term. By consciously relating the intellectual perspective to particular subject matter, the college provides a model for the practical util-

ity of college education. Forum is planned by a student/faculty committee related to the Chaplain's Office, and reflects broad implications of Christian theology, intersecting all aspects of contemporary experience.

Among the speakers during the 1994-95 Forum program were Tames Alan and "The Intrepid Victorian Traveler," a program funded by the Washington Commission for Humanities; Tony Campolo; Staley Lecturer Craig Wilson; Carol Crossed, executive director of The Seamless Garment; Luisa Orellana, a refugee from El Salvador; Rev. Robyn Hogue; Dr. William Chapman Nyaho, pianist; Danny Martin, the president of Seattle-based Mission to Unreached Peoples; Lewis Andrews, Seattle-based specialist on youth violence prevention and intervention; Astronaut George Nelson; Ron Post, director of the Northwest Medical Team; and The Commission, presenting opportunities to travel to Russia at the invitation of the Russian government. We also had presentations by Whitworth students — Forensics team, Whitworth Concert Choir, ASWC, and the Whitworth Jazz Ensemble.

GE 101,102,201,202,301,302,401,402 FORUM (5)

An all-college course providing opportunity for faculty and visiting lecturers to apply their disciplines and concepts to issues in our society and the world. Credit based on attendance for a maximum of 3.00 semester credits. Forum credit does not count as part of the semester load total credits, but does count as credit toward graduation. Fall and spring semesters.

GENERAL EDUCATION

GE 125 FRESHMAN SEMINAR (1)

Presentations and discussions are designed to inform freshmen about the college's traditions and procedures and to help them become a part of the Whitworth community. Required of all first-term freshmen. Fall semester.

GE 148 PLANNING: MAJOR/CAREER (3)

Explores and defines personal interests, values, goals, and personality in relation to choosing a major. Provides specific information on career and job opportunities to help students make career choices and other major decisions. Jan Term.

GE 211 LIVING WITH CULTURAL DIFFERENCES (2)

Seminar addressing issues of cross-cultural living, including communication patterns, the meaning of friendship, issues of private ownership versus public access. For national students living with international roommates.

GE 330 COMMUNITY LEADERSHIP TRAINING (1)

A survey of topics related to effective community leadership, such as characteristics of community, conflict management, valuing diversity. Attention is given to development of applicable skills. Fall and spring semesters.

ART

FACULTY: Barbara Filo (Chair), Walter Grosvenor, Gordon Wilson

REQUIREMENTS FOR AN ART MAJOR B.A. (41)

All tracks require the following core courses: (21)

AR 101	Drawing I	3
AR 120	Design I	3
One of the following:		3
AR 260*	History of Ancient Art	
AR 264*	History of Medieval Art	
AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3
AR 320	Design II	3
AR 460W	Seminar	3

*Also offered at the 300 level, all writing-intensive.

PAINTING/DRAWING/PRINTMAKING TRACK

Required core courses		21
AR 210	Painting	3
AR 499	Senior Exhibition Project	2
One of the following:		3

AR 201	Advanced Drawing
AR 202	Figure Drawing

One of the following:		3
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AR 235	Introduction to Printmaking
AR 236	Printmaking - Intaglio/Mixed

Three of the following:		9
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AR 130	Photography I
AR 202	Figure Drawing
AR 211	Watercolor
AR 224	Graphic Design I
AR 230	Photography II
AR 255	Sculpture
AR 301	Drawing III
AR 302	Figure Drawing II
AR 310	Painting II
AR 311	Watercolor II
AR 324	Graphic Design II
AR 335	Advanced Graphics I
AR 336	Printmaking - Intaglio/Mixed II
AR 355	Sculpture II
AR 401	Drawing IV
AR 402	Figure Drawing III
AR 410	Painting IV
AR 435	Advanced Graphics - Printmaking III
AR 436	Printmaking - Intaglio/Mixed III
AR 455	Sculpture III

Approved Independent Study in Art
Participation in the Junior Art Majors' Exhibit

MIXED MEDIA TRACK

Required core courses		21
AR 251	Mixed Media I	3
AR 499	Senior Exhibition Project	2

Four of the following: 12

AR 140	Ceramics (Wheel)
AR 141	Ceramics (Hand)
AR 145	Stained Glass - Lead
AR 146	Thincasting
AR 147	Stained Glass - Foil
AR 240	Ceramics II
AR 245	Stained Glass - Lead
AR 246	Thincasting
AR 247	Stained Glass - Foil
AR 255	Sculpture I
AR 258	Jewelry I
AR 340	Ceramics III
AR 345	Stained Glass - Lead
AR 346	Thincasting
AR 347	Stained Glass - Foil
AR 351	Mixed Media II
AR 355	Sculpture II
AR 358	Jewelry II
AR 440	Ceramics IV
AR 445	Stained Glass - Lead
AR 446	Thincasting
AR 447	Stained Glass - Foil
AR 451	Mixed Media III
AR 455	Sculpture III

Approved Independent Study in Art

Course in the mixed media offerings other than student's specialty 3
Participation in the Junior Art Majors' Exhibit

REQUIREMENTS FOR AN ARTS ADMINISTRATION MAJOR — ART — B.A. (43)

AR 101	Drawing I	3
AR 120	Design I	3
One of the following:		3

AR 260*	History of Ancient Art
AR 264*	History of Medieval Art

AR 261*	History of Renaissance/Baroque Art	3
AR 263*	History of Modern/Contemporary Art	3

*Also offered at the 300 level, all writing-intensive.

AR 320	Design II	3
AR 460W	Seminar	3
AR 224	Graphic Design	3
BU 230	Basic Accounting I	4
BU 374W	Principles of Management	3
CS 170	Computer Information Systems	3
JR 244	Publicity and Public Relations	3

Independent Study in Arts Administration 3
Approved Internship 3

REQUIREMENTS FOR ART EDUCATION MAJOR — B.A. (40)** (K-12 endorsement)**

AR 101	Drawing I	3
AR 120	Design I	3

One of the following:	3
AR 260* History of Ancient Art	
AR 264* History of Medieval Art	
AR 261* History of Renaissance/Baroque Art	3
AR 263* History of Modern/Contemporary Art	3
*Also offered at the 300 level, all writing-intensive.	
AR 320 Design II	3
AR 460W Seminar	3
AR 351 Mixed Media I	3
AR 370 Elementary Art Curriculum and Methods	2
AR 391/392 Independent Study in Secondary Art Methods and Materials	3
Teaching Assistant	2
One approved course in painting	3
One approved course in ceramics	3
One approved course in sculpture (AR 255 OR AR 258)	3

****ART EDUCATION MAJOR:** There are also other professional courses which must be taken from the School of Education. Please refer to the School of Education section in this catalog.

REQUIREMENTS FOR ART AS A SECOND TEACHING FIELD (23) (K-12 endorsement)

AR 101 Drawing I	3
AR 120 Design I	3
AR 320 Design II	3
AR 370 Elementary Art: Curriculum/Methods	2
AR 391/392 Independent Study in Secondary Art Methods and Materials	3
One approved course in painting	3
Two of the following:	6
AR 260* History of Ancient Art	
AR 264* History of Medieval Art	
AR 261* History of Renaissance/Baroque Art	
AR 263* History of Modern/Contemporary Art	
*Also offered at the 300 level, all writing-intensive.	

REQUIREMENTS FOR A MINOR IN ART (18)

AR 101 Drawing I	3
AR 120 Design I	3
Two of the following:	6
AR 260* History of Ancient Art	
AR 264* History of Medieval Art	
AR 261* History of Renaissance/Baroque Art	
AR 263* History of Modern/Contemporary Art	
Two approved electives in Art	6
*Also offered at the 300 level, all writing-intensive.	

REQUIREMENTS FOR A MINOR IN ART HISTORY (18-20)

AR 260* History of Ancient Art	3
AR 264* History of Medieval Art	3

AR 261* History of Renaissance/Baroque Art	3
AR 263* History of Modern/Contemporary Art	3
AR 262 History of Multicultural Art	3
*Also offered at 300 level, all writing-intensive.	
One of the following:	3-5
AR 120 Design I	
AR 381 Art in France	
AR 382 Art History in the British Isles	
AR 492 Independent Research - Historiography	

Recommended:

Teaching Assistant in Art History
Internship
AR 460W

FINE ARTS COURSE

FA 101 INTRODUCTION TO THE FINE ARTS (3)

Integrates the disciplines of art, music, theater, and dance into an examination of the fine arts experience. Examines elements, media, expressiveness. Fall and spring semesters.

HUMANITIES COURSE

HU 200 INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES (3)

This team-taught Jan Term course will provide a survey of the art, history, and literature of England, Ireland, Scotland, and Wales. Open to all students, but required for those participating in the British Isles Study Tour. Every third year in Jan Term preceding the tour.

ART COURSES

AR 101 DRAWING I (3)

A beginning-level course for both non-majors and majors which emphasizes the development of visual perception and drawing skills. Various materials, techniques, approaches, and subject matter are used in both representational and abstract drawing. Fee. Fall and spring semesters.

AR 120 DESIGN I (3)

Studio problems involving the creative application of design elements and principles. Emphasis is on two-dimensional experiences involving line, space, shape, texture, color, etc. Fee. Fall and spring semesters.

AR 130 PHOTOGRAPHY I (3)

A beginning-level course in black and white photography using the 35mm camera. Camera use and darkroom techniques are demonstrated through a variety of visual problems. The photograph is approached as a legitimate art form in which both form and content are extensively covered. Classes include discussion, critique, and visual presentation. Fee. 35mm camera necessary. Fall semester each year; spring semester, even years.

AR 140 CERAMICS (WHEELWORK) (3)

Use of potter's wheel to create three-dimensional form, sculptural and functional. Emphasis on design, glazing, and firing techniques. Fee. Fall and spring semesters.

AR 141 CERAMICS (HAND BUILDING) (3)

Off-wheel techniques to create ceramic forms. Emphasis on expressive potential of clay, glazing and firing techniques. Fee. Spring semester.

AR 145 STAINED GLASS - LEAD (3)

Development of basic cold glass-working techniques using lead came. Techniques of designing and fabricating that have been handed down for centuries, as well as contemporary approaches. Student will complete at least two pieces of original work. Emphasis on developing good fundamental skills, understanding, and techniques. Fee. AR 101 and AR 120 recommended. Fall and spring semesters.

AR 146 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. Jan Term, even years.

AR 147 STAINED GLASS - FOIL I (3)

Development of basic cold glass-working techniques using the copper foil techniques developed by Louis Tiffany. Design and fabrication of personal images and concepts. Student will complete at least two pieces of original work. Emphasis on developing good fundamental skills, understanding, and techniques. Fee. AR 101, AR 120, or AR 145 recommended. Fall semester.

AR 182 CHRISTIAN ART (3)

Students design and complete works of art based upon an understanding of traditional and contemporary Christian art and symbolism. Instruction is given in design principles and the use of appropriate media and personal symbolism to complete individual art pieces. Fee. Jan Term.

AR 196 TOPICS IN ART (1-3)

Selected lower-division topics in art. Periodic offering.

AR 201 DRAWING II (3)

A variety of approaches using various media to solve more advanced problems in drawing. Drawings which record, visualize, and/or symbolize are used to discover and begin development of personal drawing style. The figure will be the subject for some drawing problems. Fee. Prerequisite: AR 101. Spring semester, odd years.

AR 202 FIGURE DRAWING I (3)

An introductory course investigating the expressive possibilities of the human form as subject. A series of drawing problems from the live model use a variety of media and approaches, traditional and contemporary, to emphasize composition and content. Fee. Prerequisite: AR 101 or permission. Spring semester, even years.

AR 210 PAINTING I (3)

A beginning-level course emphasizing perception, composition, color theory, and development of basic painting skills. A variety of techniques and approaches in oils or acrylics with various subject matter. Fee. Prerequisite: AR 101 or AR 120. Fall and spring semesters, odd years.

AR 211 WATERCOLOR I (3)

An introductory course in the transparent medium of watercolor. Explore and master basic traditional and contemporary watercolor tech-

niques. Composition and content are emphasized in problems incorporating representational and non-objective subject matter. Fee. Prerequisite: AR 101 or AR 120 or permission. Fall semester, even years.

AR 224 GRAPHIC DESIGN I (3)

An introduction to the field of graphic design. Students will be given a chance to develop creative ideas and render them professionally. Information will be presented on available occupations and opportunities in the field. Some time will be spent on moral and legal issues within the graphics field. Classes will consist of lectures, critiques, a tour, and assignments both inside and outside class. Fee. Prerequisite: AR 120. Fall semester.

AR 225 CALLIGRAPHY (3)

Development of personal style and practical applications of calligraphy. This beginning course includes fundamentals of letter forms, spacing, and layout. Emphasis is on developing good basic skills and understanding, as well as on being expressive and creative. Use of both pen and brush techniques. Fee. Fall semester, even years.

AR 230 PHOTOGRAPHY II (3)

For those who are familiar with the use of the camera and darkroom, this course challenges the student to refine and integrate technique and content. Experimentation with media and individualization of solutions to problems are encouraged. Primarily a course in black and white photography incorporating various color media. Fee. Prerequisite: AR 130. Fall semester each year; spring semester, even years.

AR 235 INTRODUCTION TO PRINTMAKING (3)

An introductory experience in working with multiples. Work may include processes from the following: silk screen, relief prints, assemblage prints, collagraphs, mono-prints, and new printmaking processes. Identification, matting, and presentation of prints included. Fee. AR 101 or AR 120 recommended. Spring semester, even years.

AR 236 PRINTMAKING - INTAGLIO/MIXED (3)

An introductory printmaking course emphasizing traditional zinc plate intaglio techniques (hardground and softground etching, aquatint, and engraving). These multiples are combined with opaque and transparent paint media and more direct processes such as embossing, monoprint, collage, etc. to create contemporary one-of-a-kind prints. Fee. AR 101 or AR 120 recommended. Spring semester, odd years.

AR 240 CERAMICS (WHEELWORK) II (3)

Development of form and function from knowledge accumulated from AR 140 will be studied. The making of glazes and firing of various kilns will be performed by students. Fee. Prerequisite: AR 140. Fall and spring semesters.

AR 241 CERAMICS (HAND BUILDING) II (3)

Using the techniques from AR 141, large forms will be constructed. Glaze-making and special firing for sculptural objects will be studied and applied to individual pieces. Fee. Prerequisite: AR 144. Fall semester.

AR 245 STAINED GLASS - LEAD II (3)

A continuation of AR 145. Work will include more in-depth study of design, reinforcing, and sandblasting techniques. Fee. Prerequisite: AR 145 or AR 147. Fall and spring semesters.

AR 246 THINCASTING (3)

Develop creative, expressive concepts and images using a process involving epoxy and glass. This process based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. Jan Term, even years.

AR 247 STAINED GLASS - FOIL II (3)

A continuation of AR 147. Emphasis will be on learning to work with glass to develop three-dimensional works including, but not limited to, boxes, terrariums, lamps, etc. Emphasis on quality design, form and function, and good glass techniques. Fee. Prerequisite: AR 147 or AR 145. Fall semester.

AR 251 MIXED MEDIA (3)

Exploration of three-dimensional forms as well as surface decoration techniques using a variety of mixed media techniques such as soft-sculpture, glass, collage, clay/fiber, weaver, painting, and printing methods. Fee. AR 101, AR 120, AR 210, or AR 140 recommended. Jan Term, even years.

AR 255 SCULPTURE I (3)

Techniques and fundamentals of sculptural composition. Figurative, abstract problems. Fee. Prerequisite: AR 101 or AR 120. Spring semester, even years.

AR 258 JEWELRY (3)

Three-dimensional design is studied as it applies to the design and aesthetics of jewelry. Fabrication techniques are emphasized. Jewelry as small-scale sculpture. Fee. Fall semester, even years.

AR 260 HISTORY OF ANCIENT ART (3)

A survey of the development of the visual arts — architecture, sculpture, painting, and minor arts — in the Western world from the prehistory through the Roman periods. Works of art will be studied within the historical, social, economic, political, religious context, as well as from the perspective of a formal analysis. Fee. Fall semester, odd years.

AR 261 HISTORY OF RENAISSANCE/BAROQUE ART (3)

The development of artistic expression from the early 14th century through the 18th century will be studied in this survey course. Architecture, sculpture, painting, and the minor arts will be considered within both their cultural and visual contexts. Fee. AR 260 and AR 264 recommended. Spring semester, odd years.

AR 262 HISTORY OF MULTICULTURAL ART (3)

A survey course focused on the aesthetic concepts and visual expressions of various ethnic civilizations. Architecture, sculpture, painting, and other artistic expressions created by native cultures of Africa, Asia, the Americas, and Oceania will be considered. Emphasis will be placed on one of the listed cultures each time the course is offered. Fee. Spring term, even years.

AR 263 HISTORY OF MODERN/CONTEMPORARY ART (3)

A historical survey tracing the roots of 20th-century contemporary art, beginning with the modern works produced in the early 19th century. A wide range of traditional, non-traditional, and experimental media and techniques employed by modern and contemporary artists to create unique visual expressions will be the focus of discussion and analysis. Fee. Spring semester, even years.

AR 264 HISTORY OF MEDIEVAL ART (3)

A survey course designed to investigate the artistic developments — architecture, sculpture, painting, and the minor arts (tapestry, jewelry, goldsmithing, costumes) — significant to the Early Christian through Gothic periods. Artistic expression within the context of the culture that created it is considered. Recognition of particular visual elements which distinguish one period/style of art from another is a course goal. Fee. AR 260 recommended. Fall semester, even years.

AR 301 DRAWING III (3)

Student and faculty mutually agree upon subject matter, content, and media most appropriate for the continued development of personal drawing style. Periodic review and assessment of the strengths and weaknesses of drawings will be used to determine how to reach goals of content, form and quality. Fee. Prerequisite: AR 210 or AR 202. Spring semester, odd years.

AR 302 FIGURE DRAWING II (3)

The student is challenged to discover and develop personal drawing style using the human figure as subject. Quality of form and content, effectiveness of media and approach are emphasized. Fee. Prerequisite: AR 201 or AR 202. Spring semester, even years.

AR 310 PAINTING II (3)

Advanced painting problems emphasize exploration and mastery of painting technique to achieve desired content. Fee. Fall and spring semester, odd years.

AR 311 WATERCOLOR II (3)

Advanced problems are used to refine technique and develop personal visual statements in watercolor. Fee. Prerequisite: AR 211 or permission. Fall semester, even years.

AR 320 DESIGN II (3)

Studio problems are used to explore the elements and principles of three-dimensional design. A variety of approaches to sculptural form require the student to explore various media using traditional and contemporary subject matter. Prerequisite: AR 120. Spring semester, odd years.

AR 324 GRAPHIC DESIGN II (3)

Advanced methods, projects with emphasis on computer-generated graphics. See AR 224. Fee. Prerequisite: AR 101, AR 224, or permission. Spring semester.

AR 325 CALLIGRAPHY II (3)

Further exploration of advanced techniques. Fee. Prerequisite: AR 225. Fall semester, even years.

AR 330 PHOTOGRAPHY III (3)

Students are assisted in designing a photographic problem resulting in a series of 12 or more related photographs. Subject matter and technique vary according to the nature of the problems of individual students. A paper accompanying the series is required. Fee. Prerequisite: AR 130. Fall semester each year; spring semester, even years.

AR 335 PRINTMAKING II (3)

Further exploration of advanced techniques. Fee. Prerequisite: AR 235 or permission of instructor. Spring semester, even years.

AR 336 PRINTMAKING - INTAGLIO /MIXED II (3)

Intermediate printmaking course combining traditional zinc plate inta-

glio techniques and contemporary media and approaches to create personal visual statements both as multiples and as one-of-a-kind prints. Fee. Prerequisite: AR 235 or AR 236. Spring semester, odd years.

AR 340 CERAMICS (WHEELWORK) III (3)
Studies will be directed to individual needs as determined from work done in AR 140 and AR 240. Students will exhibit work publicly. Fee. Prerequisites: AR 140 and AR 240. Fall and spring semesters.

AR 341 CERAMICS (HANDBUILDING) III (3)
Individual work will be directed at a personal level. A wide range of glaze temperatures will be studied. Students will exhibit work publicly. Fee. Prerequisites: AR 141 and AR 241. Fall semester.

AR 345 STAINED GLASS - LEAD III (3)
Building on skills and knowledge accumulated in AR 145 and AR 245, the student will design and construct at least one major piece which will include all techniques worked with previously, plus plating. Student will exhibit work publicly. Fee. Prerequisites: AR 145 and AR 245, or AR 147 and AR 247. Fall and spring semesters.

AR 346 THINCASTING (3)
Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. Jan Term, even years.

AR 347 STAINED GLASS - FOIL III (3)
A continuation of AR 247 with emphasis on original, sculptural pieces, both functional and non-functional. Incorporation of sandblasting and plating techniques. Exhibition of work. Fee. Prerequisites: AR 147 or AR 145, AR 245. Fall semester.

AR 351 MIXED MEDIA (3)
Exploration of three-dimensional forms as well as surface decoration techniques using a variety of mixed media techniques such as soft-sculpture, glass, collage, clay/fiber, weaving, painting, and printing methods. Fee. AR 101, AR 120, AR 210, or AR 140 recommended. Jan Term, even years.

AR 355 SCULPTURE II (3)
Study of the human form in three dimensions will be included in the course. At least three different materials will be used by each student to demonstrate knowledge and ability in sculptural expression. Fee. Prerequisites: AR 120 and AR 255. Spring semester, even years.

AR 358 JEWELRY II (3)
Additional techniques (lost wax, casting) and advanced levels of jewelry design. Emphasis on individual directions. Prerequisite: AR 258. Fall semester, even years.

AR 360W HISTORY OF ANCIENT ART (3)
Extended research in the cultural context of artistic expression during these periods: Prehistoric, Egyptian, Middle Eastern, Mediterranean, Greek, and Roman. More in-depth analysis of particular works of art. Writing-intensive. Fee. Fall semester, odd years.

AR 361W HISTORY OF RENAISSANCE/BAROQUE ART (3)
Extended research in the cultural context of artistic expression during these periods: Late Gothic, Early Renaissance, High Renaissance, Man-

nerism, Baroque, and Rococo. More in-depth analysis of particular works of art. Writing-intensive. Fee. Spring semester, odd years.

AR 363W HISTORY OF MODERN/CONTEMPORARY ART (3)
Extended research in the cultural context of artistic expression during the periods of Neoclassicism, Romanticism-Realism, Impressionism, Neoimpressionism, Expressionism, and Cubism. A variety of "isms" explored, continuing into contemporary times. More in-depth analysis of particular works of art and artists. Writing-intensive. Fee. Spring semester, even years.

AR 364W HISTORY OF MEDIEVAL ART (3)
Extended research in the cultural context of artistic expression produced in these periods: Early Christian, Byzantine, Islamic, North European migrations, Romanesque, and Gothic. More in-depth analysis of particular works of art. Writing-intensive. Fee. Fall semester, even years.

AR 370 ELEMENTARY ART: CURRICULUM AND METHODS (2)

A workshop course which emphasizes helping the student become comfortable with the art experience, working with various media, and relating the experiences and findings to elementary school children in a classroom situation. The art process, rather than the product, is stressed. Hands-on experiences with each art idea will enable the future teacher to understand the step-by-step process, including inherent problems, and to achieve the reward of the finished piece. The goal of this course is to gain an appreciation for children's art and enthusiasm for art in general. Fee. Fall and spring semesters.

AR 381 ART IN FRANCE (5)
Classes in Nice and Paris emphasize the visual arts of France, particularly from the Romantic through contemporary periods. Students demonstrate their understanding of art studies first-hand by required journal entries. Side trips to Eze, Biot, Vence, Antibes, Avignon, and Chartres allow viewing of paintings, sculpture, cathedrals, artists' studios and chateaus in the context of French culture. Offered only in conjunction with the full-semester Whitworth in France program. Spring semester, every third year (1998, 2001).

AR 382 ART HISTORY IN THE BRITISH ISLES (3)
A study of the visual arts, architecture, sculpture, painting, and decorative arts in England, Scotland, Wales, and Ireland. Museums, galleries, cathedrals, castles, and other on-site artistic expressions will offer the student a firsthand experience to study works of art in historical, cultural, and artistic contexts. Fee. Offered only in conjunction with the full-semester Whitworth British Isles Study Tour. Fall semester, every third year (1996, 1999).

AR 391/392 INDEPENDENT STUDY IN SECONDARY ART METHODS (3)

Independent studies are designed by student and instructor in all track areas of interest. Available for Art Education majors/minors: Observation and analysis of middle and high school art teachers in the classroom setting. Teaching methods, curriculum objectives/evaluation, classroom organization, and exhibition are some of the areas studied. In addition, the student will explore one medium of special interest in preparation for future teaching.

AR 396 TOPICS IN ART (1-3)
Selected upper-division topics in art. Periodic offering.

AR 401 DRAWING IV (3)
The advanced drawing student takes primary responsibility for choice of media, subject matter, and content in the process of drawing, often working in a series to strengthen drawings and refine quality. A contract between faculty and student outlines expectations. Fee. Prerequisite: AR 301 or AR 302. Spring semester, odd years.

AR 402 FIGURE DRAWING III (3)
Personal style is developed and refined in a series of advanced problems which the student designs in collaboration with faculty. The expectation is for high-quality drawings which make a strong visual statement. Fee. Prerequisite: AR 302. Spring semester, even years.

AR 410 PAINTING III (3)
A series of advanced problems in painting is designed by the student in collaboration with the instructor. Technical ability is refined in order to make strong visual statements. Prerequisite: AR 310. Fee. Fall and spring semesters, odd years.

AR 411 WATERCOLOR III (3)
Advanced problems emphasize the development and refinement of personal style and mastery of appropriate watercolor technique to communicate desired content. Fee. Prerequisite: AR 311 or permission. Fall semester, even years.

AR 436 PRINTMAKING - INTAGLIO /MIXED III (3)
Development and refinement of technique and personal imagery in a series of advanced printmaking problems emphasizing intaglio and mixed media. Fee. Prerequisite: AR 335 or AR 336. Spring semester, odd years.

AR 440 CERAMICS (WHEELWORK) IV (3)
Students will design studies to meet their own needs in throwing, glazing, firing, and selling. Exhibition and sales of work will be required. Fee. Prerequisites: AR 140, AR 240, and AR 340. Fall and spring semesters.

AR 441 CERAMICS (HANDBUILDING) IV (3)
Each student will arrange for a commissioned piece for a local business. Designing, object-making, firing, mounting, and documentation will be part of this project. Fee. Prerequisite: AR 141, AR 241, and AR 341. Fall semester.

AR 445 STAINED GLASS - LEAD IV (3)
Advanced glass techniques. Students work with instructor to design and fabricate at least two major pieces. Students required to exhibit completed works. Prerequisite: AR 345. Fall and spring semesters.

AR 446 THINCASTING (3)
Develop creative, expressive concepts and images using a process involving epoxy and glass. This process is based upon imagery, technique, and technology derived from traditional dalle de verre process. Fee. AR 101, AR 120, AR 145, or AR 147 recommended. Jan Term, even years.

AR 447 STAINED GLASS - FOIL IV (3)
Special projects as developed individually with the instructor. Emphasis on creative, expressive works suitable for installation, use,

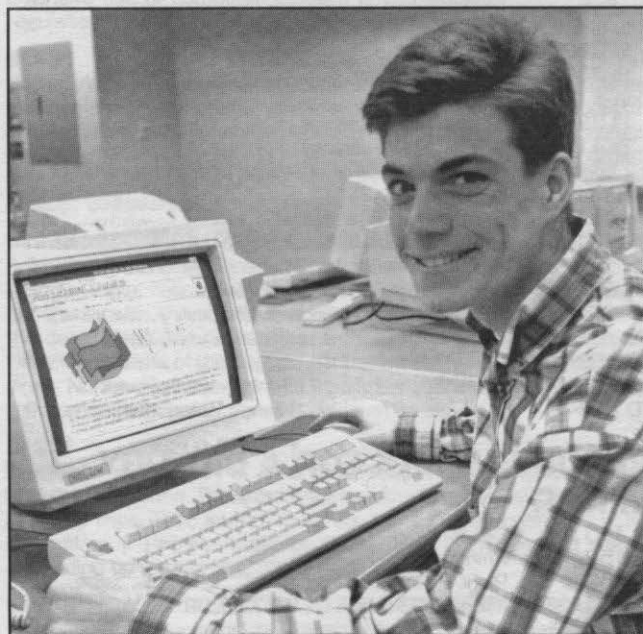
or exhibition. Fee. Prerequisites: AR 147 or AR 145, AR 247, and AR 347.

AR 455 SCULPTURE III (3)
Students will continue their studies into a variety of materials for their use in sculptural objects. Themes will be used to develop four to six different projects. Fee. Prerequisite: AR 355. Spring semester, even years.

AR 460W SEMINAR (3)
This capstone course is designed as a transition for the art major between art in the college setting and art beyond college. Seminar discussion and investigation will help the student gain a clearer understanding of the nature of art and the artist. Through an exchange of information, ideas, and methodology with both peers and professionals, the seminar student will have the opportunity to formulate her/his own ideas, opinions, and goals for a future in art. Prerequisite: Art major with junior or senior standing. Fall semester, odd years.

AR 499 SENIOR EXHIBITION PROJECT (2)
Required of all majors in Painting/Drawing/Sculpture and Mixed Media tracks. Student completes and presents original artworks in an exhibition. An artist's statement, resume, art portfolio and slides are required at the time of the exhibition. Review by faculty members. Spring semester.

DIRECTED STUDIES
INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.



Art

BIOLOGY

FACULTY: Finn Pond (Chair), Susan Bratton, Lee Anne Chaney, David Hicks, Dean Jacobson

REQUIREMENTS FOR A BIOLOGY

MAJOR — B.A. (38)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2

24 additional semester credits of approved Biology coursework (not to include BI 204, 220, 221). For teacher certification (4-12 endorsement), BI 363 and 345 must be included. 24

CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
CH 196	Topics in Chemistry: Biochemistry	2

For teacher certification (4-12 endorsement) the following additional course is required:

ED 473	Methods of Teaching Science: Secondary	2
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REQUIREMENTS FOR A BIOLOGY

MAJOR — B.S. (53)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 345	Environmental Biology	4
BI 363	Genetics	4

One of the following: 4

BI 323W Animal Physiology

BI 331 Plant Physiology

One of the following: 3

BI 399W Molecular Biology

BI 412W Advanced Cell Biology

12 additional semester credits of approved Biology coursework (not to include BI 204, 220, 221) 12

CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
CH 196	Topics in Chemistry: Biochemistry	2
CH 271	Principles of Organic Chemistry	3
CH 271L	Lab: Principles of Organic Chemistry	1
PS 151	General Physics I	4
PS 153	General Physics II	4

Also required for teacher certification (4-12 endorsement):

ED 473	Methods of Teaching Science: Secondary	2
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REQUIREMENTS FOR A BIOLOGY

MINOR (20)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2

12 semester credits of approved upper-division

Biology courses 12

REQUIREMENTS FOR BIOLOGY AS A SECOND TEACHING FIELD (22)

(4-12 endorsement)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 345	Environmental Biology	4
BI 363	Genetics	4
4 additional semester credits of approved upper-division Biology courses		4
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A SECOND TEACHING FIELD WITH A BIOLOGY MAJOR (24)

(4-12 endorsement)

CH 161	Principles of Chemistry I	3
CH 161L	Lab: Principles of Chemistry I	1
CH 281	Principles of Chemistry II	3
CH 281L	Lab: Principles of Chemistry II	1
PS 141	Introduction to Astronomy	4
One of the following:		4
GL 131	Understanding Earth	
GL 139	Environmental Geology	
PS 151*	General Physics I	4
PS 153*	General Physics II	4

*Note: PS 151 has a prerequisite of Math 110 (Calculus I) and PS 153 has a prerequisite of MA 111 (Calculus II).

BIOLOGY COURSES

BI 104 HUMAN ECOLOGY (3)

Course emphasizes the nature, dynamics and interdependence of ecosystems in relation to the human "biological and cultural niche." The ecological principles of energy flow, nutrient cycling, succession, limiting factors, species diversity, and symbioses are utilized to diagnose global environmental problems such as global warming, acid precipitation, ozone depletion, desertification, species extinction, deforestation, and resource depletion. No lab. For non-science majors. Meets 3 semester credits of the Natural Science/Math general requirement. Fall semester, even years; spring semester, odd years.

BI 105 PLANTS IN CULTURE (3)

Introduction to the basic structures and life processes in plants. Survey of historical and contemporary uses of plants. Focus on ways human life is physically dependent on plants, and on the many ways human cultures reflect the specific plants available to them. No lab. For non-science majors. Meets 3 credits of the Natural Science/Math general requirement. Alternates with BI 106 in Jan Term, even years.

BI 106 BIOLOGY OF WOMEN (3)

Structure, function and development of the human female. Comparison of male and female biology. Consideration of genetic, hormonal and neurological influences in development of form and function. Critique of cultural images of women, using biological data. No lab. For nonscience majors. Meets 3 credits of the Natural Science/Math general requirement. Alternates with BI 105 in Jan Term, even years.

BI 109 GLOBAL ENVIRONMENTAL ISSUES (3)

Evaluation of current global trends in agricultural sustainability, health risks, population growth, energy options, species extinction, habitat degradation, and resource depletion. Exploration of alternative models of human progress that contrast sharply with dominant social, political, and economic paradigms in other cultures. No lab. Meets either the Multicultural general requirement or 3 credits of the Natural Science general requirement, but not both. Fall and spring semesters, evening only; summer.

BI 150 CELL BIOLOGY (2)

A study of the organization of living matter emphasizing molecular and cellular features. Discussion of the hierarchy of levels of organization — molecules, cells, organisms, populations — will provide the context for the detailed study of the molecular and cellular features which unify living things. Lab. Half-semester course. Fall semester.

BI 152 ANIMAL BIOLOGY (2)

Focus on the evolutionary origin, taxonomic classification, and unique anatomical, physiological, and behavioral adaptations of the metazoans, including the Radiata, Acoelomata, Pseudocoelomata, Mollusca, Annelida, Arthropoda, Echinodermata, and Chordata. Lab. Half-semester course. Fall semester.

BI 153 PLANT BIOLOGY (2)

Consideration of the photosynthetic way of life in cyanobacteria, algae and land plants. Survey of structural and functional adaptations related to water retention and distribution, gas exchange, mineral nutrient acquisition, light absorption and energy conversion, support, reproduction, dispersal and resistance. Lab focuses on structural diversity. Half-semester course. Prerequisites recommended: BI 150, 152. Spring semester.

BI 154 MICROBIAL BIOLOGY (2)

Systematic survey of selected microbial taxa, emphasizing the distinguishing characteristics, structural and functional adaptations, metabolic specializations, and life histories of eubacteria, archaeobacteria, protozoans, and fungi. Lab activities focus on basic methods for isolating, growing, identifying, and studying microorganisms. Half-semester course. Prerequisites recommended: BI 150, 152. Spring semester.

BI 196 TOPICS IN BIOLOGY

One-time offerings for lower-division students or for non-science majors.

BI 204 MEDICAL MICROBIOLOGY (4)

A study of the microbial world, with emphasis on the bacteria and viruses of medical importance. The basic structure and physiology of microorganisms, principles of growth and the control of growth, antibiotics, a survey of infectious disease. Lab emphasizes the use of aseptic technique, and the culture and identification of bacteria. Fee. Prerequisite: CH 163 or sophomore standing. Spring semester.

BI 220 HUMAN ANATOMY (4)

The structure of the human body, system by system. Includes the microanatomy of various tissue types. Emphasis is placed on terminology and identification. Lab work focuses on the human skeleton and dissection of the cat. For declared majors in Nursing, Sports Medicine and Physical Education. Fee. Prerequisite: sophomore standing. Fall semester.

BI 221 HUMAN PHYSIOLOGY (4)

How the human body functions, using a systems approach. A study of nerve function and the nervous system as a whole serves as a prelude to the integration of all other systems. Lab work involves collection of data related to the student's own physiology. For declared majors in Nursing, Sports Medicine, Physical Education. Fee. Prerequisite: BI 220. Spring semester.

BI 303 PLANT TAXONOMY (4)

History, theories and methods of classification, identification, nomenclature, and description. Role of taxonomy as a biological discipline. Types of taxonomic evidence. Descriptive terminology. Survey of selected families. Lab focuses on use and construction of diagnostic keys, identification of local flora, preparation of field data records and herbarium specimens. Prerequisite: BI 150-154. Spring semester, even years.

BI 323W ANIMAL PHYSIOLOGY (4)

Physiology is approached as the study of the anatomical, physiological, and behavioral adaptations of animals to their particular habitats. Lectures focus on respiration in air and water, circulation, metabolism, temperature limits and thermoregulation, osmotic adaptations and excretion, and ameboid, flagellar, ciliary, and muscular movement. Students work in small groups in labs which make extensive use of computer-assisted physiological simulations. Prerequisites: BI 150 - 154; CH 271. Fall semester, odd years.

BI 331 PLANT PHYSIOLOGY (4)

Water relations, mineral absorption and nutrition, translocation mechanisms, respiration, photosynthesis, nitrogen metabolism, growth regulators, photomorphogenesis, senescence and stress physiology. Focus on vascular plants. Lab emphasizes whole organism responses. Prerequisites: BI 150 - 154; CH 271. Spring semester, odd years.

BI 333 EVOLUTIONARY BIOLOGY (2)

A study of the evolutionary paradigm that unifies the science of biology. Origin, refinement and the contemporary form of evolutionary theory with the objective of understanding its use in organizing the data, ideas and research of the biological sciences. The study will critique some of the popular caricatures of the evolutionary paradigm. No lab. Prerequisites: BI 150 - 154, BI 363; junior standing recommended. Spring semester.

BI 337 FIELD BOTANY (2-3)

Field, laboratory study of flora of selected regional habitats. Field trips and collection. Students work individually in the field, in addition to group trips. Field journal required. Habitat and organisms of focus will vary. Prerequisites: BI 150 - 154. Summer, odd years, depending on enrollment.

BI 339 INTRODUCTION TO FIELD ECOLOGY/TROPICAL (1)

Theoretical and logistical preparation for the tropical field ecology

expedition the following Jan Term. Lectures focus on the operational principles of tropical terrestrial and marine habitats soon to be investigated in situ. No lab. Prerequisites: BI 150 - 154. Fall semester, even years.

BI 340 FIELD ECOLOGY/TROPICAL (4)

This is a 25-day Costa Rican expedition to study the Pacific and Caribbean coral reefs, tropical commercial and sustainable agriculture, and the major tropical forest habitats, including thorn forest, cloud forest, and lowland and montane rainforest. Several days are also devoted to museum tours, and cultural and historical lectures. Fulfills Multicultural requirement. Prerequisites: BI 150 - 154, BI 339. Jan Term, odd years.

BI 343 SYMBIOTIC BIOLOGY (3)

An in-depth consideration of associations selected to illustrate each major category of symbiosis. Partners in all five kingdoms are represented. Mechanisms by which symbioses are established, maintained and propagated. Structural, physiological and behavioral modifications characteristic of the symbionts. Ecological and evolutionary significance of such relationships. Considerable focus on understanding experimental approaches used to study symbioses. Substantial literature review required. Prerequisites: BI 150 - 154; CH 196; junior standing recommended. Jan Term, even years.

BI 345 ENVIRONMENTAL BIOLOGY (4)

Lectures focus on energy flow, nutrient cycling, succession, limiting factors, population dynamics, and species diversity of major ecosystems. Field studies focus on the water, soils, plants and animals of the Little Spokane River floodplain near campus, and secondary succession in clearcut and selectively-cut montane forests near Colville under a continuing TFW state contract. Lab. Prerequisites: BI 150 - 154. Spring semester.

BI 347 ADVANCED MICROBIOLOGY (4)

Ultrastructure, metabolic variations, genetics, ecology and evolution of prokaryotic organisms, and the structure and genetics of viruses. Emphasis on the importance of bacteria in the study of various biological processes, the practical and technological importance of bacteria, and the ecological significance of bacteria. Two labs/week focus on bacteriological techniques for isolating, culturing, and identifying bacteria, and characterizing and studying their genetic and metabolic processes. Prerequisites: BI 150 - 154; CH 196 or CH 271. Fall semester, even years.

BI 351 ORNITHOLOGY (2)

The evolutionary origin of birds and flight, migration, and unique avian behaviors. Seven Saturday or weekend birdwatching trips in Eastern Washington and Northern Idaho. No lab. Prerequisites: BI 150 - 154. Spring semester, odd years.

BI 353 MAMMALOLOGY (2)

Lectures focus on the evolution and adaptations of Pacific Northwest taxa, including Marsupalia, Insectivora, Chiroptera, Cetacea, Carnivora, Pinnepedia, Lagomorpha, Rodentia, Perissodactyla, and Artiodactyla. Labs emphasize specific identification of skulls, and preparation of several skulls from fresh materials. Prerequisites: BI 150 - 154. Fall semester, even years.

BI 354 DEVELOPMENTAL BIOLOGY (4)

Developmental processes and patterns of form and function in mul-

ticellular organisms, particularly animals. Emphasis on molecular, cellular, and environmental factors regulating gene activity, cellular differentiation, and pattern formation during various developmental sequences. Descriptive, comparative, and experimental lab activities focus on chordate embryology, specifically gametogenesis, fertilization, cleavage, gastrulation, and organogenesis. Prerequisites: BI 150 - 154; CH 271; junior standing. Spring semester, even years.

BI 363 GENETICS (4)

Mechanisms which contribute to and maintain intraspecific diversity: meiosis, allelic segregation, chromosomal assortment, dominance-recessive allelic relationships, hybridization, multiple alleles, epistasis, linkage and recombination, polygenic inheritance and mutation. Population genetics, especially the factors which alter relative frequencies of gene pool alleles. Basic biochemistry of genetic molecules and the processes by which they are replicated, mutated, and expressed. Human genetic diseases. Lab. Prerequisites: BI 150 - 154, CH 196 or CH 271. Fall semester.

BI 396 TOPICS IN BIOLOGY

Occasional and one-time offerings for upper-division students, such as plant anatomy, comparative vertebrate anatomy, mycology, special techniques in cell/molecular biology.

BI 399W MOLECULAR BIOLOGY (3)

Contemporary molecular genetics; the organization, storage, retrieval, and transfer of genetic information at the molecular level. Topics include the chemical and physical properties of nucleic acids, DNA replication, transcription, translation, mutagenesis, DNA repair, gene regulation and expression, techniques of experimental molecular biology and applications to biotechnology. Viral, prokaryotic, and eukaryotic systems examined. No lab. Prerequisites: BI 150 - 154; CH 271; junior standing. Fall semester, even years.

BI 399L LAB: MOLECULAR BIOLOGY (1)

Techniques for manipulation and study of DNA. Corequisite: BI 399W. Fall semester, even years.

BI 400 BIOLOGICAL RESEARCH (1-4)

Individual student experimental laboratory or field research projects. Projects to be approved by departmental faculty. Prerequisites: BI 150 - 154; CH 271; upper-division coursework in Biology and Chemistry pertinent to research project. Fall and spring semesters, Jan Term and summer.

BI 401 SEMINAR (1)

Presentation and discussion of results of literature and laboratory investigations of biological phenomena. Departmental sessions. Prerequisites: 12 credits of 300-400 level biology courses. Fall and spring semesters.

BI 412W ADVANCED CELL BIOLOGY (3)

Cell ultrastructure and molecular aspects of cell function. Emphasis on structural and molecular organization of eukaryotic cells and organelles, the regulation and compartmentalization of metabolic activities, cell cycles and reproduction, cellular differentiation, and cell interactions. No lab. Prerequisites: BI 150 - 154; CH 271; junior standing. Fall semester, odd years.

BI 412L LAB: ADVANCED CELL BIOLOGY (1)

Techniques for study of cell organelles. Corequisite: BI 412W. Fall semester, odd years.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION — INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

CHEMISTRY

FACULTY: Donald Calbreath, Tony Mega, Karen Stevens

REQUIREMENTS FOR A CHEMISTRY MAJOR — B.A. (45-46)

CH 161*	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 335W	Analytical Chemistry I	3
CH 335L	Analytical Chemistry I Lab	1
CH 421W	Structure and Dynamics I	3
CH 421L	Structure and Dynamics I Lab	1
CH 481	Seminar	1
CH 483	Seminar	1
One of the following:		4

CH 393	Organic Chemistry II plus Lab	
CH 336	Analytical Chemistry II plus Lab	
CH 423	Structure and Dynamics II plus Lab	
One additional upper-division Chemistry course		3-4
MA 110*	Calculus I	4
MA 111*	Calculus II	4
PS 151*	General Physics I	4
PS 153	General Physics II	4

For teacher certification, the following additional courses are required:

CH 395/495	Departmental Teaching Assistant	2
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR A CHEMISTRY MAJOR — B.S. (69)

CH 161*	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 335W	Analytical Chemistry I	3
CH 335L	Analytical Chemistry I Lab	1
CH 336	Analytical Chemistry II	3
CH 336L	Analytical Chemistry II Lab	1
CH 393	Organic Chemistry II	3
CH 393L	Organic Chemistry II Lab	1
CH 401W	Advanced Biochemistry	3

CH 401L	Advanced Biochemistry Lab	1
CH 421W	Structure and Dynamics I	3
CH 421L	Structure and Dynamics I Lab	1
CH 423W	Structure and Dynamics II	3
CH 423L	Structure and Dynamics II Lab	1
CH 481	Seminar	1
CH 483	Seminar	1
CH 491	Independent Study	3
CH 494	Research in Chemistry	4
BI 150	Cell Biology	2
BI 152	Animal Biology	2
MA 110	Calculus I	4
MA 111	Calculus II	4
PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4

For teacher certification, the following additional courses are required:

CH 395/495	Departmental Teaching Assistant	2
ED 473	Methods of Teaching Science: Secondary	2

TRACKS IN CHEMISTRY

Each track requires the following foundational courses: (45)

CH 161	Principles of Chemistry	3
CH 161L	Principles of Chemistry Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 335W	Analytical Chemistry I	3
CH 335L	Analytical Chemistry I Lab	1
CH 336	Analytical Chemistry II	3
CH 336L	Analytical Chemistry II Lab	1
CH 481	Seminar	1
CH 483	Seminar	1
CH 491	Independent Study in specialization area	3
CH 494	Research in Chemistry	4
MA 110	Calculus I	4
MA 111	Calculus II	4
PS 151	General Physics I	4
PS 153	General Physics II	4

ANALYTICAL CHEMISTRY TRACK (71)

Foundational Courses		45
CH 421W	Structure and Dynamics I	3
CH 421L	Structure and Dynamics I Lab	1
CS 171	Computer Science I	3
MA 356	Elementary Probability and Statistics	3
PS 251W	General Physics III	4
PS 273	Electronics	4
PS 361	Nuclear Physics	4
PS 371	Optics	4

BIOCHEMISTRY TRACK (72)

Foundational Courses		45
CH 353W	Applied Physical Chemistry	3
CH 353L	Applied Physical Chemistry Lab	1
CH 393	Organic Chemistry II	3

CH 393L	Organic Chemistry II Lab	1
CH 401W	Advanced Biochemistry	3
CH 401L	Advanced Biochemistry Lab	1
CH 403W	Topics in Modern Biochemistry	3
BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
One of the following:		4
BI 399	Molecular Biology	
BI 412W	Advanced Cell Biology	

PHYSICAL CHEMISTRY TRACK (71)

Foundational Courses		45
CH 421W	Structure and Dynamics I	3
CH 421L	Structure and Dynamics I Lab	1
CH 423W	Structure and Dynamics II	3
CH 423L	Structure and Dynamics II Lab	1
MA 210	Calculus III	4
MA 212	Differential Equations	3
MA 330	Linear Algebra	3
PS 251W	General Physics III	4
One of the following:		4
PS 273	Electronics	
PS 371	Optics	

REQUIREMENTS FOR A CHEMISTRY MINOR (19-20)

CH 161*	Principles of Chemistry I	3
CH 161L*	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 353W	Applied Physical Chemistry	3
CH 353L	Applied Physical Chemistry Lab	1
One additional upper-division Chemistry course		3-4

REQUIREMENTS FOR CHEMISTRY AS A SECOND TEACHING FIELD

(4-12 endorsement)		(24)
CH 161*	Principles of Chemistry I	3
CH 161L*	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 335W	Analytical Chemistry I	3
CH 335L	Analytical Chemistry I Lab	1
CH 353W	Applied Physical Chemistry	4
CH 395/495	Departmental Teaching Assistant	2
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A SECOND TEACHING FIELD WITH A CHEMISTRY MAJOR

(4-12 endorsement)		(24)
BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
GL 131	Physical Geology	4
One of the following:		4
GL 139	Environmental Geology	
PS 141	Introduction to Astronomy	
PS 151**	General Physics I	4
PS 153**	General Physics II	4

*May be satisfied by Advanced Placement examinations with a score of 4 or 5.

**Note: PS 151 has a prerequisite of Math 110 (Calculus I) and PS 153 has a prerequisite of MA 111 (Calculus II).

NUTRITION COURSE

NF 315	NUTRITION	(3)
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Consideration of nutrients and their functions in the body. Discussion of nutrition and health, clinical applications of nutrition, facts and fallacies about diet. Prerequisite: CH 163. Fall semester.

CHEMISTRY COURSES

CH 101	INTRODUCTION TO CHEMISTRY	(3)
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An exploration of fundamental concepts in chemistry for nursing majors and selected other allied health fields. Required for science majors whose chemistry background is not adequate for initial placement in CH 161. This course is not accepted as part of any science major. This course is not recommended for those who wish only to meet the science general graduation requirement. Fall semester.

CH 101L	INTRODUCTION TO CHEMISTRY LAB	(1)
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Basic laboratory practices, titration, radioisotope measurement, simple synthesis. Prerequisite: concurrent enrollment in CH 101. Fall semester.

CH 112	CHEMISTRY AND HEALTH	(3)
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Applications of chemical principles to concepts of health and disease. Overview of chemistry discoveries and their contribution to understanding current health issues. For non-majors — meets half the Natural Science/Mathematics graduation requirement. Jan Term, occasionally.

CH 122	CHEMISTRY IN MODERN LIVING	(3)
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An introduction to the molecular nature of matter with the aim of better appreciating applications to our lives and current issues. Typical topics include water and air pollution, ozone depletion, global warming, polymers, drugs, biochemistry and other topics. For non-majors — meets half the Natural Science/Mathematics graduation requirement. Jan Term, occasionally.

CH 161 PRINCIPLES OF CHEMISTRY I (3)

Foundational course in chemistry. Treatment of measurement concepts, atomic theory, atomic and molecular structure, aqueous solution, chemical reactions, gases, and bonding theories. Prerequisite: one year of high school chemistry and a passing score on the mathematics proficiency examination. Students without this prerequisite must take CH 101 (Introduction to Chemistry) before electing CH 161. Fall semester.

CH 161L PRINCIPLES OF CHEMISTRY I LAB (1)

Basic laboratory techniques, simple synthesis, titration, qualitative analysis. Prerequisite: concurrent enrollment in CH 161. Fall semester.

CH 163 BIOORGANIC CHEMISTRY (3)

Fundamentals of organic chemistry and biochemistry. Organic structure, isomerism, nomenclature. Properties and reactions of lipids, carbohydrates, proteins. Prerequisite: CH 101 or CH 161. Spring semester.

CH 163 BIOORGANIC CHEMISTRY LAB (1)

Simple quantitative analysis, separation techniques, enzyme studies. Prerequisite; concurrent enrollment in CH 163. Spring semester.

CH 196 TOPICS IN CHEMISTRY (1-3)

Selected lower-division topics in Chemistry. Periodic offering.

CH 271 ORGANIC CHEMISTRY I (3)

Detailed treatment of basic organic chemistry concepts. Nomenclature, conformational and structural analysis, basic reaction mechanisms. Prerequisite: CH 161 and CH 161L. Spring semester.

CH 271L ORGANIC CHEMISTRY I LAB (1)

Characterization of organic compounds using chemical and instrumental approaches, simple syntheses. Prerequisite: CH 271. Fall semester.

CH 281 PRINCIPLES OF CHEMISTRY II (3)

Properties of solutions, introduction to kinetics, acid-base concepts, equilibria, nuclear radioactivity, electrochemistry, and thermochemistry. Prerequisite: CH 161 and CH 161L. Spring semester.

CH 281L PRINCIPLES OF CHEMISTRY II LAB (1)

Titration, equilibrium constant determination, reaction kinetics, electrochemical studies. Prerequisite: concurrent enrollment in CH 281. Spring semester.

CH 335W ANALYTICAL CHEMISTRY I (3)

Sampling, basic statistics, quality control, UV-visible absorption techniques, fluorescence measurements, ion-selective electrodes, atomic absorption. Prerequisite: CH 271. Fall semester, odd years.

CH 335L ANALYTICAL CHEMISTRY I LAB (1)

Statistical analysis of data, separation techniques, use of instrumentation in solving analytical problems. Prerequisite: concurrent enrollment in CH 335W. Fall semester, odd years.

CH 336 ANALYTICAL CHEMISTRY II (3)

Advanced treatment of UV-Vis, IR and NMR spectroscopy, HPLC, GC, and mass spectrometry. Prerequisite: CH 335W. Spring semester, even years.

CH 336L ANALYTICAL CHEMISTRY II LAB (1)

Use of instrumentation in solving analytical problems. Prerequisite: concurrent enrollment in CH 336. Spring semester, even years.

CH 351 INORGANIC CHEMISTRY (3)

A study of the elements (especially metals) and their compounds. Bonding, crystal field theory, coordination compounds, organometallics, bioinorganic and descriptive inorganic chemistry. Prerequisites: CH 335W and MA 110. Elective course, occasional offering.

CH 351L INORGANIC CHEMISTRY LAB (3)

Approaches to synthesis of inorganic compounds. Prerequisite: concurrent enrollment in CH 351. Occasional offering.

CH 353W APPLIED PHYSICAL CHEMISTRY (3)

The basics of molecular thermodynamics, liquids, electrochemistry, chemical kinetics, spectroscopy, and photochemistry as they relate to phenomena encountered in the laboratory and in the real world. Prerequisites: CH 335W, and MA 110. Spring semester, odd years.

CH 353L APPLIED PHYSICAL CHEMISTRY LAB (1)

Physical measurements made on simple systems. Prerequisite: concurrent enrollment in CH 353. Spring semester, odd years.

CH 393 ORGANIC CHEMISTRY II (3)

Reactions of organic molecules, mechanisms of reactions, and how such reactions may be employed in the synthesis of new compounds. Prerequisite: CH 271. Fall semester.

CH 393L ORGANIC CHEMISTRY II LAB (1)

Synthetic techniques for organic compounds, design of multi-step synthesis. Prerequisite: CH 393. Spring semester.

CH 396 TOPICS IN CHEMISTRY (1-3)

Selected upper-division topics in chemistry. Periodic offering.

CH 401W ADVANCED BIOCHEMISTRY (3)

Structure and function of classes of biochemical materials. Metabolic conversions, biochemical energy. Prerequisite: CH 271, BI 151, and BI 152 or permission. Fall semester, even years.

CH 401L ADVANCED BIOCHEMISTRY LAB (1)

Separations in biochemical systems, protein structure, enzyme kinetics, study of metabolic pathways. Prerequisite: concurrent enrollment in CH 401W. Fall semester, even years.

CH 403W TOPICS IN MODERN BIOCHEMISTRY (3)

Membrane structure and function, active transport, receptors, metabolic control, biochemical information systems, drug action, neurochemistry, endocrine biochemistry. Prerequisite: CH 401W or permission. Spring semester, odd years.

CH 421W STRUCTURE AND DYNAMICS 1 (3)

Kinetics, thermodynamics, liquids and solids, changes of state, phase diagrams. Prerequisites: CH 335W, PS 153, and MA 111. Fall semester, odd years.

CH 421L STRUCTURE AND DYNAMICS 1 LAB (1)

Kinetic and thermodynamic studies. Prerequisite: concurrent enrollment in CH 421W. Fall semester, odd years.

CH 423W STRUCTURE AND DYNAMICS II (3)

A continuation of CH 421W including quantum mechanics and sta-

tistical mechanics. Laboratory emphasis on computer-assisted quantum chemistry applications. Prerequisites: CH 421W, PS 251, and MA 111. Spring semester, even years.

CH 423L STRUCTURE AND DYNAMICS II LAB (1)
Emphasis on computer-assisted quantum chemistry applications. Prerequisite: concurrent enrollment in CH 423. Spring semester, even years.

CH 481, 483 SEMINARS (1)
Discussion of current chemical topics. Student presentations, guest lectures, attendance at local scientific meetings. By permission; usually requires junior standing.

CH 494, 496 RESEARCH IN CHEMISTRY (3-4)
Student pursuit of laboratory problem of fundamental interest, under direct guidance of faculty member. Work of a publishable nature is generally required. By permission.

DIRECTED STUDIES
INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (280, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

COMMUNICATION STUDIES

FACULTY: Michael Ingram (Chair), Gordon Jackson, Ronald Pyle

NOTE: The Communication Studies Department offers a major and a minor in each of three areas: General Communication, Journalism, and Speech Communication. In addition, all majors are encouraged to take one or more of the following activity courses: Applied Journalism, Editorial and Broadcast Practicum, and Forensics. Activity course credits do not count toward the major.

REQUIREMENTS FOR A MAJOR — B.A. (39-40)

JOURNALISM MAJOR (39)	
JR 125	Writing for Mass Media
JR 212	Theories of Human Communication
JR 236	Broadcast Production
JR 325W	Reporting for Mass Media
JR 347	Mass Media History
JR 402	Mass Media Law
JR 490	Internship
JR 493W	Communication Ethics
One of the following:	
JR 242	Editing
JR 343	Layout & Design
SP 113	Interpersonal Communication

Upper-division journalism electives, (excluding JR 443, 445, 446) ..	3
Two Departmental electives (excluding JR 245, 246, 247, 445, 446, SP 245, 345)	6

SPEECH COMMUNICATION MAJOR (40)

SP 113	Interpersonal Communication	3
SP 210	Introduction to Public Speaking	3
SP 212	Theories of Human Communication	3
SP 223	Small Group Communication	4
SP 347W	Rhetorical History and Theory	3
SP 490	Internship	3
SP 493	Communication Ethics	3
JR 125	Writing for Mass Media	3
One of the following:		3
SP 396	Seminars in Communication Issues	
SP 398	Intercultural Communication	
Upper-division speech electives (excluding SP 345)		6
Two Departmental electives (excluding JR 245, 246, 247, 443, 445, 446, SP 245, 345)		6

GENERAL COMMUNICATION MAJOR (39-41)

JR 125	Writing for Mass Media	3
SP 113	Interpersonal Communication	3
SP 212	Theories of Human Communication	3
Two Journalism courses:		6
JR 236	Broadcast Performance	
JR 242	Editing	
JR 343	Layout & Design	
JR 325W	Reporting for Mass Media	
JR 402	Mass Media Law	
Two Speech courses:		6-8
SP 210	Introduction to Public Speaking	
SP 223	Small Group Communication	
SP 323	Organizational Communication	
SP 362	Argumentation and Debate	
One of the following:		3
JR 347	Mass Media History	
SP 347W	Rhetorical History and Theory	
One of the following seminars in Communication Issues:		3
SP/JR 396	Seminar in Communication Issues	
SP 398	Intercultural Communication	
One of the following:		3
JR 493W	Communication Ethics	
SP 493	Communication Ethics	
One of the following:		3
JR 490	Internship	
SP 490	Internship	
Six semester credits of Departmental electives (excluding JR 245, 246, 247, 443, 445, 446, SP 245, 345)		6

REQUIREMENTS FOR A JOURNALISM MINOR (15)

JR 125	Writing for Mass Media	3
JR 325W	Reporting for Mass Media	3
JR 493W	Communication Ethics	3

One of the following:	3
JR 242 Editing	
JR 343 Layout & Design	
One approved Journalism course	3

REQUIREMENTS FOR A SPEECH MINOR (15)

SP 113 Interpersonal Communication	3
SP 210 Introduction to Public Speaking	3
SP 347W Rhetorical History and Theory	3
Two approved Speech Communication courses	6
(One approved course must be upper division.)	

REQUIREMENTS FOR A COMMUNICATION MINOR (15)

JR 125 Writing for Mass Media	3
SP 113 Interpersonal Communications	3
One of the following:	3
JR 347 Mass Media History	
SP 347W Rhetorical History and Theory	
One approved Journalism course	3
One approved Speech Communication course	3
(One approved course must be upper division.)	

REQUIREMENTS FOR A SECOND TEACHING FIELD (20)

Journalism

JR 125 Writing for Mass Media	3
JR 215 Mass Communication and Society	3
JR 402 Mass Media Law	3
One of the following:	3
JR 242 Editing	
JR 343 Layout & Design	
Journalism electives	7
One activity course	1
Media internship or equivalent amount of experience working on campus newspaper, radio station, or yearbook, selected in consultation with departmental advisor.	

Speech Communication

SP 113 Interpersonal Communication	3
SP 210 Introduction to Public Speaking	3
SP 223 Small Group Communication	4
SP 362 Argumentation and Debate	4
Speech electives	6

JOURNALISM COURSES

JR 125 WRITING FOR MASS MEDIA	(3)
News values; creativity and structure in news writing; journalistic style and format; accuracy, clarity and conciseness in writing; basic reporting and research skills, interviewing, listening, observing and note-taking. Fall and spring semesters.	

JR 196 TOPICS IN JOURNALISM	(1-3)
Selected lower-division topics in journalism. Periodic offering.	

JR 212 THEORIES OF HUMAN COMMUNICATION	(3)
A comprehensive treatment of major theoretical approaches toward understanding the production and interpretation of human communication. Offered fall semesters.	

JR 215 MASS COMMUNICATION AND SOCIETY	(3)
Role and influence of print and broadcast media in society, media as social institutions, effects of the media, changing media technologies. Jan Term.	

JR 236 BROADCAST PRODUCTION	(3)
Technical aspects of broadcast journalism, program production, tape/film production and editing, video camera techniques, FCC regulations. Fee. Prerequisite: JR 125 or permission. Fall semester.	

JR 242 EDITING	(3)
Evaluation, editing of various forms of print communication. Copyreading, revision, headlines. Prerequisite: JR 125 or permission. Spring semester.	

JR 244 PUBLICITY AND PUBLIC RELATIONS	(3)
Role and effect of publicity, public relations in the United States. Public relations process, public opinion polling. Development, evaluation of public relations programs. Prerequisite: JR 125. Fall semester.	

JR 245 APPLIED JOURNALISM: NEWSPAPER	(1)
Staff work on college newspaper. May be repeated for credit. Prerequisite: JR 125 or permission. Fall and spring semesters.	

JR 246 APPLIED JOURNALISM: RADIO	(1)
Staff work on college radio station. May be repeated for credit. Fee. Fall and spring semesters.	

JR 247 APPLIED JOURNALISM: YEARBOOK	(1)
Staff work on college yearbook. May be repeated for credit. Fall and spring semesters.	

JR 325W REPORTING FOR MASS MEDIA	(3)
News-gathering techniques and strategies, including direct observation, participant observation and interviewing; using public records and documents, libraries and statistics; dealing with sources; polls and surveys. Prerequisite: JR 125. Fall semester.	

JR 330 TECHNICAL WRITING	(3)
Theory and practice of writing factual information in the scientific, business and technical disciplines. Prerequisite: EL 110, EL 210, or JR 125. Periodic offering.	

JR 336 BROADCAST PERFORMANCE	(3)
On-air aspects of broadcast journalism. Announcing, interviewing and discussion skills, program planning and design, video camera experience, station management. Fee. Prerequisite: JR 236. Spring semester, even years.	

JR 343 LAYOUT AND DESIGN	(3)
Introduction to principles of page layout and design, with emphasis on preparing text and visual elements for a mass media audience by using desktop publishing techniques. Prerequisite: JR 125 or permission. Spring semester, odd years.	

JR 347 MASS MEDIA HISTORY (3)

Origins and development of print and broadcast mass media in the United States. Prerequisite: JR/SP 212. Fall semester; even years.

JR 362 ARTICLE AND FEATURE WRITING (3)

Editorial writing, interpretive and critical writing, magazine writing, writing for publication. Prerequisite: JR 125. Periodic offering.

JR 396 TOPICS IN COMMUNICATION (3)

Selected topics in mass communication such as international communication, media management, propaganda. Prerequisite: JR/SP 212. Periodic offerings.

JR 402 MASS MEDIA LAW (3)

The First Amendment and court-protected freedom of expression, libel, right of privacy, copyright, covering government and the courts, broadcast regulation. Prerequisite: JR/SP 212. Fall semester; odd years.

JR 443 EDITORIAL PRACTICUM: NEWSPAPER (1)

Editorial work on college newspaper. Prerequisites: JR 245 and appointment to editorial position. May be repeated for credit. Fall and spring semesters.

JR 445 EDITORIAL PRACTICUM: YEARBOOK (1)

Editorial work on college yearbook. Prerequisite: JR 247 and appointment to editorial position. May be repeated for credit. Fall and spring semesters.

JR 446 BROADCAST MANAGEMENT PRACTICUM (1)

Management work on college radio station or cable television. Prerequisites: JR 246 and appointment to management position. May be repeated for credit. Fall and spring semesters.

JR 493W COMMUNICATION ETHICS (3)

Nature and criteria of ethical behavior; personal and organizational ethical issues facing the mass media, including the power of the media, news-gathering and reporting techniques, media-source relations, privacy, freedom of the press, taste, conflicting interests, fairness, and objectivity. Prerequisite: JR/SP 212. Spring semester; odd years.

SPEECH COMMUNICATION COURSES

SP 113 INTERPERSONAL COMMUNICATION (3)

Introductory course to communication that surveys perception, self-concept, feedback, listening, disclosure, conflict management, language and nonverbal communication. Fall and spring semesters.

SP 196 TOPICS IN SPEECH COMMUNICATION (1-3)

Selected lower-division topics in speech communication. Periodic offering.

SP 210 INTRODUCTION TO PUBLIC SPEAKING (3)

Introductory course to speech construction and delivery. Speech skills are surveyed, including research, listening, and nonverbal communication. Fall and spring semesters.

SP 212 THEORIES OF HUMAN COMMUNICATION (3)

A comprehensive treatment of major theoretical approaches toward understanding the production and interpretation of human communication. Fall semester.

SP 223 SMALL GROUP COMMUNICATION (4)

A theoretical and practical look at group communication processes such as conflict management, decision making, group dynamics, leadership, and problem solving. Fall semester.

SP 245 APPLIED SPEECH: FORENSICS (1)

A practicum course for students involved in the intercollegiate forensics program. An in-depth course in advanced public speaking and debating that may be repeated for credit. Fall and spring semesters.

SP 310 ADVANCED PUBLIC SPEAKING (3)

An in-depth course on speech construction in different contexts. Students deliver a variety of persuasive speeches. Emphasis on reasoning, delivery skills, and speech criticism. Periodic Jan Terms and summers.

SP 323 ORGANIZATIONAL COMMUNICATION (3)

Structure, process, and function of communication in organizations, including diagnosing communication problems, analyzing communication networks, and managing communication. Prerequisite: SP 223, SP/JR 212. Spring semester; even years.

SP 336 COMMUNICATION IN MINISTRY (3)

An exploration of the role of communication in ministry, with particular focus on small group communication and public proclamation of the gospel. Spring semester.

SP 345 APPLIED SPEECH: FORENSICS (1)

A practicum course for students involved in the intercollegiate forensics program. An in-depth course in advanced public speaking and debating that may be repeated for credit. Restricted to advanced forensics students competing in the NFC championship division. Fall and spring semesters.

SP 347W RHETORICAL HISTORY AND THEORY (3)

The origin and development of speech communication from its earliest conceptions in ancient Greece through the 20th century, with particular emphasis on the theories of rhetoric. Prerequisite: JR/SP 212. Spring semester.

SP 355 PARLIAMENTARY PROCEDURE (1)

Study of the communication rules to follow when conducting formal meetings. Study of constitutions and bylaws. Fall semester; even years.

SP 362 ARGUMENTATION AND DEBATE (4)

An in-depth course on the construction and delivery of valid arguments, logical and emotional appeals, attitude change, fundamentals of academic debate and practical application of persuasive methods. Course surveys American presidential debates and models of argument. Fall semester; even years.

SP 387 RHETORICAL CRITICISM (3)

An introduction to the most frequently employed methods of rhetorical criticism. Students will apply various methodological approaches to investigate the rhetoric of public speaking, film, television, song, and humor. Prerequisite: SP 210. Periodic offering.

SP 396 TOPICS IN SPEECH COMMUNICATION (3)

Selected upper-division topics in speech communication, such as the freedom of speech, interviewing, sermon analysis, and rhetorical criticism. Prerequisite: JR/SP 212. Jan Term and spring semester.

SP 398 INTERCULTURAL COMMUNICATION (3)

Study of how elements such as ritual, status, symbolism, concepts of time and use of space create our world view. Class promotes cross-cultural understanding using interactive and visual communication to communicate effectively across cultures. Intent is to broaden cultural awareness, enhance multicultural literacy. Periodic offering.

SP 440 AMERICAN PUBLIC ADDRESS (3)

Historical and critical study of the speeches and other rhetorical acts which have helped shape the United States of America. Rhetorical/critical methodologies will be used to analyze the setting, structure, context, and influences of significant rhetorical acts in American history. Prerequisite: SP 210. Periodic offering.

SP 493 COMMUNICATION ETHICS (3)

An in-depth examination of the nature and criteria of ethical oral communication behavior in interpersonal, public speaking, group, and intercultural settings. Examines ethical theories and their application to credibility, lying, and persuasion in social, political, and religious contexts. Prerequisite: JR/SP 212. Spring semester, odd years.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490). ALL INTERNSHIPS REQUIRE PREREQUISITE OF JR/SP 212.; FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

ECONOMICS AND BUSINESS

FACULTY: Margie LaShaw (Chair), Richard Hergenrath, Jay Kendall, Charles McKinney, Richard Schatz, George Weber

FOLLOWING PREREQUISITES FOR ALL DEPARTMENT MAJORS AND MINORS

- 1) Prior to the sophomore year: (7)
 CS 170 Introduction to Computer Information Systems .. 3
 One of the following: 4
 MA 108 Finite Mathematics
 MA 109 Algebra and Trigonometry
 MA 110 Calculus I

- 2) Prior to or during the junior year: (3)
 MA 356 Probability and Statistics 3

REQUIREMENTS FOR A BUSINESS MANAGEMENT MAJOR — B.A. (38)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3

BU 318	Marketing	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374W	Principles of Management	3
BU 376	Operations Management	3
BU 410	Business Policy	3
BU 425	Organizational Behavior	3
BU 450W	Social and Ethical Issues in Business	3

REQUIREMENTS FOR AN ACCOUNTING MAJOR — B.A. (49)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 332	Cost Accounting	3
BU 334	Intermediate Accounting I	4
BU 335	Intermediate Accounting II	4
BU 336	Introduction to Taxation	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374W	Principles of Management	3
BU 434	Advanced Accounting I	3
BU 435	Advanced Accounting II	3
BU 466W	Principles of Auditing	3
One of the following:		3
BU 410	Business Policy	
BU 425	Organizational Behavior	
BU 440	Advanced Business Law	
BU 450W	Social and Ethical Issues in Business/Economics	
Or a department approved elective		

REQUIREMENTS FOR AN INTERNATIONAL BUSINESS MAJOR — B.A. (44-46)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 318	Marketing	3
BU 340	Business Law	3
BU 357	Financial Management	3
BU 374W	Principles of Management	3
EC 416	International Trade and Finance	3
PO 151	International Relations	3
SP 398	Intercultural Communications	3
Two intermediate level foreign language courses		6-8
One of the following:		3

One department-approved cross-cultural experience (students with one year of study abroad may request approval for meeting this requirement).

HI 245	Cultural History of China and Japan
HI 325W	History of Latin America
PO 340	Contemporary Africa
PO 341	Contemporary South Africa

PO 346	Contemporary China and East Asia
PO 366	Modern Russia and the Soviet Union
SO 238	Sociology of Middle Eastern Society

REQUIREMENTS FOR AN ECONOMICS MAJOR—B.A. (31)

EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
BU 230	Financial Accounting	4
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
EC 365W	History of Economic Thought	3
Four additional approved upper-division Economics courses		12

REQUIREMENTS FOR A BUSINESS MANAGEMENT MINOR (22)

BU 230	Financial Accounting	4
BU 318	Marketing	3
BU 357	Financial Management	3
BU 374W	Principles of Management	3
EC 210	Principles of Microeconomics	3
MA 356	Probability and Statistics	3
One of the following:		3
BU 332	Cost Accounting	
BU 363W	Small Business Management	
BU 373	Human Resource Management	
EC 301	Money and Banking	
EC 345	Economics of Social Issues	

REQUIREMENTS FOR AN ACCOUNTING MINOR (22)

BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
BU 332	Cost Accounting	3
BU 334	Intermediate Accounting I	4
BU 335	Intermediate Accounting II	4
One approved Accounting course		3

REQUIREMENTS FOR AN ECONOMICS MINOR (22)

BU 230	Financial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
MA 356	Probability and Statistics	3
One approved upper-division Economics course		3

REQUIREMENTS FOR A MARKETING MINOR (25)

BU 230	Financial Accounting	4
BU 318	Marketing	3
EC 210	Principles of Microeconomics	3

MA 356	Probability and Statistics	3
PY 201	Principles of Psychology	3
Three of the following courses:		9
BU 338	Personal Selling	
BU 348	Promotion and Advertising	
BU 368	Marketing Research	
BU 378	Marketing Management	
BU 490	Marketing Internship	
JR 244	Publicity and Public Relations	

REQUIREMENTS FOR ECONOMICS AS A SECOND TEACHING FIELD (22) (4-12 endorsement)

BU 230	Financial Accounting	4
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 245/345	Economics of Social Issues	3
EC 365W	History of Economic Thought	3
Two additional approved upper-division Economics courses		6
Both secondary and elementary certification candidates must meet with department chair for approval of additional required courses for a second teaching field.		

BUSINESS MANAGEMENT COURSES

BU 110 INTRODUCTION TO BUSINESS (3)

An overview of the total business enterprise in an international environment. Organization, finance, marketing, product planning, governmental influences and socially responsible management. Fall semester.

BU 196 TOPICS IN BUSINESS MANAGEMENT (1-3)

Selected lower-division topics in business management. Periodic offering.

BU 220/420 PERSONAL FINANCIAL MANAGEMENT (3)

Practical information in the handling of personal business affairs. Career planning; insurance (life, health, property); home-buying or renting; investing in stocks, bonds, and real estate; estate planning. No prerequisites for lower division. Upper-division credit by permission. Jan Term and spring semester.

BU 230 FINANCIAL ACCOUNTING (4)

A study of the fundamental processes of accounting applied to services and merchandising proprietorships, partnerships and corporations. Analyzing, classifying and recording business transactions; preparation and analysis of financial statements. Prerequisite: MA 108. Fall and spring semester.

BU 231 MANAGERIAL ACCOUNTING (4)

Introduction to ways in which management uses accounting information for planning, pricing, controlling and for many special decision-making situations. Prerequisites: MA 108 and BU 230. Fall and spring semesters.

BU 248 COMPUTERIZED BUSINESS ANALYSIS (3)

Solutions of business problems using the computerized spreadsheet, elementary database and presentation software. Prerequisites: CS 170 and BU 230 or permission. Jan Term.

BU 315 FUNDING AND GRANT WRITING (3)

Identification of potential sources and preparation of application documents. Analysis of successful grants and assistance from local resources. Fall semester.

BU 318 MARKETING (3)

A study of the issues and principles of marketing; planning and executing the organization's product, pricing, promotion and distribution of products to satisfy consumers' needs and wants. Prerequisite: BU 230 and junior standing. Fall and spring semesters.

BU 330 FUND ACCOUNTING AND BUDGET MANAGEMENT (3)

Overview of the accounting procedures associated with governmental and agency needs. Preparation of required reports and related documents, special focus on monitoring performance. Prerequisite: one semester of accounting or permission. Fall semester.

BU 332 COST ACCOUNTING (3)

Emphasis on the mechanics and application of accounting principles and concepts for planning, control and decision making. Cost behavior, cost-volume-profit relationships, responsibility accounting, standard costing, budgeting, relevant costing for non-routine decisions, capital budgeting. Prerequisites: BU 230 and BU 231, junior standing, or permission. Fall semester.

BU 334, 335 INTERMEDIATE ACCOUNTING I, II (4)

Modern accounting theory and practice. Analysis underlying the determination of income and asset evaluation. Analysis of financial statements; special financial accounting and reporting problems. New G.A.A.P. guidelines. Prerequisites: BU 230 and BU 231. Fall and spring semesters.

BU 336 INTRODUCTION TO TAXATION (3)

A study of the concepts involved in determination of federal income tax liability, preparation of tax returns. Individual tax problems, tax planning. Introduction to corporation taxes. Prerequisite: BU 230 and BU 231. Fall semesters.

BU 338 SALESMANSHIP (3)

Examine and practice the elements of successful professional selling, including sales skills and styles, organization, time management, ethics, prospective customer-needs analysis and proposal writing. Emphasis is on how to sell; includes student participation. Prerequisite: BU 318 or by permission. Fall semester and Jan Term.

BU 340 BUSINESS LAW (3)

A consideration of the laws affecting business transactions. Introduction to law, court systems, torts, criminal law, contracts, sales and real property. Prerequisite: sophomore standing. Fall and spring semesters.

BU 348 ADVERTISING/PROMOTION (3)

An in-depth study of consumer behavior and promotion strategy. Prerequisite: BU 318 or by permission. Jan Term.

BU 357 FINANCIAL MANAGEMENT (3)

Analysis of role of chief financial officer. Study of the tools of financial analysis and decision making. Emphasis on management of revenues and expenses, assets and liabilities. Included will be raising of capital from the sale of stock and bonds. Prerequisites: BU 231, EC 210, EC 211, and junior standing. Fall and spring semesters.

BU 363W SMALL BUSINESS MANAGEMENT (3)

Comprehensive coverage of all the operational areas involved in selecting and getting a business started. Business plans, funding, market analysis are all included. Local resources utilized to share opportunities and problems. Prerequisites: BU 230, EC 210 or EC 211, and junior standing or by permission. Spring semester.

BU 368 MARKETING RESEARCH (3)

Study the marketing research process as applied to managerial decision making. Included will be research design for primary and secondary data, survey methods, test marketing and questionnaire design, sampling, data analysis and presentation. Prerequisites: BU 318 and MA 356.

BU 373 HUMAN RESOURCES MANAGEMENT (3)

Areas of management related to obtaining and maintaining effective human resources. Discussion, speakers and actual cases. Prerequisite: junior standing or by permission. Spring semester.

BU 374W PRINCIPLES OF MANAGEMENT (3)

A study of the theory and practice of management of organizations, with emphasis on strategy, structure, effective use of human resources, planning, organizing, integrating and controlling functions. Prerequisite: junior standing. Fall and spring semesters.

BU 396 TOPICS IN BUSINESS MANAGEMENT (3)

Selected upper-division topics in business management. Periodic offering.

BU 376 OPERATIONS MANAGEMENT (3)

Decision making involving the management of all aspects of operations in both large- and medium-sized business organizations and in product and service companies. Study of the quantitative tools used in making these analyses and decisions. Prerequisites: MA 108, MA 356, and junior standing. BU 374W is recommended. Fall and spring semesters.

BU 378 MARKETING MANAGEMENT (3)

A study of marketing strategy, policy and programs, and their implementation. Management of sales personnel. Prerequisite: BU 318. Jan Term.

BU 410 BUSINESS POLICY (3)

Capstone course for Business majors, integrating the functions of marketing, operations and finance from the strategic vantage point of the general manager. Case studies. Prerequisites: BU 357 and BU 374W. Fall and spring semesters.

BU 425 ORGANIZATIONAL BEHAVIOR (3)

A general descriptive and analytical study of organizations from the behavioral science perspective. Problems of motivation, leadership, morale, social structure, groups, communications, hierarchy and control in complex organizations. Interaction among technology, environment, and human behavior. Alternate theoretical models. Recommended prerequisite: BU 374W. Fall and spring semester.

BU 434 ADVANCED ACCOUNTING I (3)

Emphasis on intercorporate investments and preparation of consolidated financial statements. Prerequisites: BU 334 and 335. Fall semester.

BU 435 ADVANCED ACCOUNTING II (3)

A study of accounting and financial reporting standards for govern-

mental and not-for-profit organizations. Introduction to advanced topics and current problems in financial accounting, partnership accounting, reporting theory and practice, including foreign currency transactions. Prerequisite: BU 334, BU 335 or permission. Spring semester.

BU 436 ADVANCED TAXATION (3)

A continuing study of the concepts involved in determination of federal income tax liability, preparation of tax returns. Partnership and corporate tax problems, tax planning, introduction to tax research included. Prerequisite: BU 336. Spring semester.

BU 440 ADVANCED BUSINESS LAW (3)

A continuing study of the laws affecting business transactions. Introduction to commercial transactions including the Uniform Commercial Code, various advanced topics such as environmental, computer, employee and international laws. Useful for Accounting majors. Prerequisite: BU 340.

BU 450W SOCIAL AND ETHICAL ISSUES IN BUSINESS AND ECONOMICS (3)

Contemporary social, political, environmental and ethical forces affecting today's business and economic world. Seminar format. Dialogue with top local business, government, and union leaders. Also listed as EC 450W. Fall and spring semesters.

BU 466W PRINCIPLES OF AUDITING (3)

Standards, objectives and ethics for auditors in public accounting. Reporting standards, internal control, evidence and statistical sampling. Prerequisite: BU 334 or permission. Spring semester.

BU 473 APPLIED HUMAN RESOURCE MANAGEMENT (3)

Emphasis on comprehensive case analysis, presentation of special related topics and use of computer-assisted cases. Current issues covered in presentations by professionals in the field. Prerequisite: BU 373 or permission.

ECONOMICS COURSES

EC 210 PRINCIPLES OF MICROECONOMICS (3)

Economics of the consumer and the firm; principles of market supply and demand and the determination of prices; analysis of competitive, monopolistic and oligopolistic markets; labor and other resource input markets. Prerequisite: MA 108. Fall semester.

EC 211 PRINCIPLES OF MACROECONOMICS (3)

Examination of problems of unemployment, inflation, productivity and economic growth; measurement of national income; Keynesian and classical theories of national income determination; fiscal and monetary policies and their implications; international economics. Prerequisite: MA 108. Spring semester.

EC 245, 345 ECONOMICS OF SOCIAL ISSUES (3)

Economic thinking about social problems such as population growth, price controls, poverty, higher education, energy, crime, pollution, consumerism, health care, social and economic inequality, unemployment, inflation, taxation and the public debt. Jan Term.

EC 301 MONEY AND BANKING (3)

Nature, function and regulations of money and credit. Review of the financial institutions that control domestic and international mon-

etary policy. Prerequisites: BU 230, EC 210, and EC 211. Spring semester.

EC 320 INTERMEDIATE MICROECONOMIC ANALYSIS (3)

Theory of consumer and producer behavior; determination of price under various market structures; resource allocation and income distribution; general equilibrium analysis; application of economic principles to social problems. Prerequisites: EC 210 and 211. Fall semester.

EC 321W INTERMEDIATE MACROECONOMIC ANALYSIS (3)

Analysis of Keynesian, classical and other models of national income determination; fiscal and monetary policy; evaluation of the impact of international trade and capital flows on national income; theories of economic growth; macroeconomic history of the U.S. Prerequisites: EC 210 and 211. Spring semester.

EC 345—SEE EC 245

EC 355 COMPARATIVE ECONOMIC SYSTEMS (3)

Goals, behavior, performance of economic systems. Efficiency vs. equity in the adoption of systems. Stability, growth, individual freedom, social objectives. Ideologies such as individualism, collectivism, familism, and their political manifestations. Analysis of European, Japanese and third-world economies, as well as the American market economy. Prerequisites: EC 210 and EC 211. Spring semester.

EC 365W HISTORY OF ECONOMIC THOUGHT (3)

Origins and development of economic thought from the early Greeks through the scholastics and mercantilists; emphasis on classical economics and criticisms of it; neoclassical theory. Prerequisites: EC 210 and EC 211 or permission. Spring semester.

EC 416 INTERNATIONAL TRADE AND FINANCE (3)

Classical and modern theories of international trade; analysis of tariffs and other trade restrictions; balance of payments; foreign exchange-rate determination; relationship between national income and balance of payments; applications to current issues in international economics. Prerequisites: EC 210 and EC 211. Fall semester.

EC 425 ECONOMIC DEVELOPMENT (3)

Theories of economic growth and development focusing on the Third World; measurement of economic development; roles of economic systems, culture, resources, human capital, technology, foreign trade, foreign aid, foreign investment; economic appraisal methodology. Prerequisites: EC 210 and EC 211. Spring semester.

EC 450W — SEE BU 450W

EC 470 SENIOR THESIS (3)

Taught on a tutorial basis. Preparation of research in an area of the student's interest. Prerequisite: EC 320 and EC 321W, or permission.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492, 591, 592); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490, 590); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

THE SCHOOL OF EDUCATION

The School of Education at Whitworth College consists of the Department of Teacher Education, the Center for Gifted Education and Teacher Enrichment, and the Department of Graduate Studies in Education. Dr. Dennis W. Sterner serves as dean of the School of Education.

DEPARTMENT OF TEACHER EDUCATION

FACULTY: Dennis Sterner (Chair), David Cherry, Gerald Duffy, Les Francis, Sharon Hartnett, Carol Hollar, Paula Kreider, Doris Liebert, Margo Long, Betty Malmstad, Chris Meyer, Randy Michaelis, Tammy Reid, Gordon Watanabe

UNDERGRADUATE PROGRAM

The Department of Teacher Education views the role of the teacher as a calling — as a commitment to understanding and responding compassionately to the needs of children and youth. The department has adopted for the undergraduate program Lee Shulman's model of the teacher as a learner, knower, guardian, and member. Courses in the program are structured around this framework and students are encouraged by faculty members to view their future roles in each of these areas.

REQUIREMENTS FOR CERTIFICATION: ELEMENTARY, K-8

I. Professional Program: Preliminary (6)	
ED 205	Modern American Education 2
ED 205L	Modern American Education Lab 1
ED 212	Educational Psychology 3

Admission to Teacher Education Program required before beginning upper-division courses.

II. Professional Program: Upper Division (42-44)	
A. K-8 Elementary Endorsement must include:	
ED 306	Elementary Methods and Social Studies Curriculum 4
ED 323	Introduction to Multicultural Education 1
ED 324	Field Experience in Multicultural Education 3
ED 365W	Introduction to Exceptional Learners 3
ED 377	Technology in Education 2
ED 387	Methods of Teaching Reading 2
ED 421	Mathematics in the Elementary School 3
ED 424	Science in Elementary and Middle Level Schools 2
ED 449	Dealing with Abuse and Neglect 1
AR 370	Curriculum/Methods of Elementary Art 2
MA 221	Theory of Arithmetic 4

MU 340	Curriculum/Methods of Elementary Music 2
PE 345	Curriculum/Methods of Elem. Health/Phys Ed .. 2

B. Professional Program: Second Teaching Field/Content in the Teaching Specialty (20 minimum)

A certification plan with a major academic emphasis must be planned with an advisor during the sophomore year or upon admission to the upper-division program and must include a minimum of twenty (20) semester credits in one approved academic area.

Plus 10-12 additional semester credits from academic content courses are required.

Admission to student teaching required before taking Student Teaching Block. Application for student teaching must be submitted one semester in advance.

III. Professional Program: Student Teaching Block (15)	
ED 410	Elementary Education Seminar 2
ED 422	Reading and Language Arts in the Elementary School 3
ED 496	Directed Teaching, Elementary Level 10

REQUIREMENTS FOR CERTIFICATION: SECONDARY, 4-12

I. Professional Program: Preliminary (6)	
ED 205	Modern American Education 2
ED 205L	Modern American Education Lab 1
ED 212	Educational Psychology 3

Admission to Teacher Education Program required before beginning upper-division courses.

II. Professional Program: Upper Division (18-19)	
A. Grades 4-12 Secondary Endorsement must include:	
ED 308	Methods/Learning Resources – Secondary 4
ED 323	Introduction to Multicultural Education 1
ED 324	Field Experience in Multicultural Education 3
ED 365W	Introduction to Exceptional Learners 3
ED 377*	Technology in Education 2
ED 416	Reading in the Secondary School 2
ED 449	Dealing with Abuse and Neglect 1
Methods of teaching major subject 2-3	

B. Professional Program: Content in the Teaching Specialty .. (39)

An academic major (approved by both the major department and the School of Education) of at least 39 semester credits or a 24-semester-credit major and a 16-semester-credit second teaching field in a subject area commonly taught in the public schools.

Admission to student teaching required before taking Student Teaching Block. Application for student teaching must be submitted one semester prior to the actual experience.

III. Professional Program: Student Teaching Block (15)	
ED 461**	Educational Measurement and Evaluation 2
ED 484	Secondary Education Seminar 3
One of the following: 10	
ED 497	Directed Teaching, Junior High Level (or)
ED 498	Directed Teaching, Senior High Level

NOTE: For P.E. and music majors, an additional student teaching experience at the alternative level will be required.

* Not required for music majors.

** Not required for music or physical education majors.

REQUIREMENTS FOR SPECIAL EDUCATION AS A SECOND TEACHING FIELD (26-27)

(K-12 endorsement):

ED 365W	Introduction to Exceptional Learners	3
ED 467	Special Education: Assessment and Diagnosis ...	3
ED 468	Special Education: Curriculum and Resources ...	3
ED 469	Special Education: Inclusion and Consultation	3
Two approved	Special Education courses	4-5
ED 494*	Directed Teaching: Special Education	10

*in addition to elementary or secondary student teaching.

IMPORTANT NOTES FOR EDUCATION MAJORS:

1. All elementary and secondary certification requirements are subject to change. Therefore, all teaching fields and programs must be approved by the Department of Teacher Education.

2. Admission to teacher education and student teaching must be approved by the Department of Teacher Education.

3. Refer to Certification Handbook available in the Department of Teacher Education for additional information.

4. Admission to teacher education and student teaching do not guarantee state certification.

5. WSP/FBI fingerprint check will be required prior to student teaching.

6. See Graduate Studies in Education section for graduate courses, degrees, and certification programs in Education.

POST-BACCALAUREATE CERTIFICATION PROGRAMS

Two teacher certification programs are available at Whitworth for people who already possess undergraduate degrees: a post-baccalaureate certification program and the Master in Teaching degree program.

A post-baccalaureate certification program can be developed for people who wish to attend as full-time, part-time day, or evening students. (NOTE: Student teaching must be done full time during the day.)

The Master in Teaching degree program allows students to pursue a master's degree and teacher certification concurrently. Whitworth was the first college in the state to receive approval for an MIT program after Washington state legislation permitted this option. This is an intense, selective, full-time day school graduate program that begins in June and continues for 14 months, culminating in August of the following year. Both elementary and secondary certification options are available in the MIT program. Application to the MIT program must be made four to six months prior to the starting date. (See Graduate section of this catalog.)

For more information about the MIT program, contact the administrative assistant. For more information about the post-baccalaureate

ate program, contact the coordinator of post-baccalaureate programs, School of Education.

THE CENTER FOR GIFTED EDUCATION AND TEACHER ENRICHMENT

Founder and Director: Margo Long

Located in Dixon Hall, the center provides credit classes, workshops, and consulting services to teachers and parents of the gifted. In-service training and program planning are also made available to school districts. During the summer, the center offers graduate-level short courses in a variety of grade levels and subject areas appropriate for teachers of the gifted or general school curriculum. For additional information, please contact the center during regular hours.

A master's degree with a gifted and talented emphasis, designed to educate teachers of all grade levels in meeting the needs of the exceptionally able learner in the regular classroom and/or other settings, is also available at Whitworth. See listing under Graduate Studies in Education for information regarding the gifted emphasis in the graduate degree plan.

TEACHER EDUCATION COURSES

ED 196 TOPICS IN EDUCATION (1-3)

Selected lower-division topics in education. Periodic offering.

ED 205 MODERN AMERICAN EDUCATION (2)

Firsthand experience in the public schools with classroom learning about goals, philosophies, and special problems facing education today. Student self-evaluation of teaching potential. Prerequisite: Sophomore standing; second-semester freshmen with permission. Fall and spring semesters.

ED 205L MODERN AMERICAN EDUCATION LAB (1)

Students work three hours per week as teaching assistants in school classrooms. Journal writing is coordinated with topics in ED 205. To be taken concurrently with ED 205. Fall and spring semesters.

ED 212 EDUCATIONAL PSYCHOLOGY (3)

A study of the total person (spiritual, intellectual, emotional, psychological, physical) as related to human growth and development and educational psychology included. Self-concept, value development, responsible behavior. Child study required. Prerequisite: minimum of sophomore standing. Fall and spring semesters, summer term.

ADMISSION TO TEACHER EDUCATION PROGRAM REQUIRED BEFORE BEGINNING UPPER-DIVISION COURSES.

ED 301 EXPLORING CHILDREN'S LITERATURE (3)

Provides a broad overview of children's literature, including use of literature in the classroom and other group situations. Prerequisites: ED 205 and ED 212. Summer and Jan Terms.

ED 306 ELEMENTARY METHODS AND SOCIAL STUDIES CURRICULUM (4)

Introduction to the theories and practices of elementary teaching through field experience and micro-teaching; integrated unit and lesson planning incorporating multimedia resources and analysis of teaching/learning behaviors through the use of case studies. Focus on social studies curriculum and instruction throughout. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 308 METHODS AND LEARNING RESOURCES FOR SECONDARY SCHOOLS (4)

Current trends in secondary education. Learning theory, instructional objectives and strategies, classroom interaction, discipline, unit and lesson planning, AV resources. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 323 INTRODUCTION TO MULTICULTURAL EDUCATION (1)
Preparatory to Jan Term participation in ED 324. Field Experience in Multicultural Education. Examination of how attitudes, behaviors, and values are shaped. Nature, use, effect of power in society. Examination of student's own values in the context of a pluralistic society. Prerequisites: ED 205 and ED 212. Fall semester.

ED 324 FIELD EXPERIENCE IN MULTICULTURAL EDUCATION (3)

Contributions, traditions, and education of an American minority culture. Observation, assistance in the instruction of children, and participation in church and community life while residing in the area. Study sites include Hawaii, southeast Alaska, tribal schools in Washington and Idaho, Yakima Valley schools with migrant worker populations, inner-city locations. Prerequisites: ED 205 and ED 212. Jan Term, with required seminars in the previous fall (ED 323).

ED 364 METHODS OF TEACHING LANGUAGES (3)

Presentation of the basic principles of second-language methodology to students who are interested in teaching a language in K-12 schools. Through readings, lectures, discussions and observations, students will become acquainted with methods used in the second-language classroom and the underlying theories of second-language acquisition. Prerequisites: ED 205 and ED 212. Minimum of two other courses in TESL sequence. Also listed as ED 564H. Spring semester; evening course.

ED 365W INTRODUCTION TO EXCEPTIONAL LEARNERS (3)

Survey of full continuum of exceptional learners, including learning disabled, handicapped and gifted; emphasis on meeting individual needs in the mainstreamed classroom, as required by PL 94-142. Required of all students desiring teacher certification. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters; summer term.

ED 377 TECHNOLOGY IN EDUCATION (2)

The goal of this course is to prepare participants for teaching with the technology found in today's schools. They will learn how to access information and communicate using current technology, including Internet and multi-media, and will begin developing strategies that will be applied to other education courses and in the field. Prerequisites: ED 205 and ED 212. Fall and spring semesters, summer and Jan Terms.

ED 387 METHODS OF TEACHING READING (3)

Processes of teaching reading, reading skills, reading comprehension, and vocabulary development at the elementary level. Includes hands-on use of current published reading materials for planning reading lessons. Prerequisites: ED 205 and ED 212. Fall and spring semesters; summer term.

ED 394 IDEAS AND METHODS IN RELIGIOUS EDUCATION (2)

This course will explore religious education and its theological foundation, the educational basis of the nurturance of faith, and the actual development of religious educational activities used in churches. Prerequisites: ED 205 and ED 212. Periodic offering.

ED 396 TOPICS IN EDUCATION (1-3)

Selected upper-division topics in education. Prerequisites: ED 205 and ED 212. Periodic offering.

ED 410 ELEMENTARY EDUCATION SEMINAR (2)

Part of "block" courses taken during the first month of the student-teaching semester. Emphasis on practice of various models of teaching, classroom management strategies and issues of testing and assessment. Public school law, membership in professional organizations, and values and ethics related to teaching are addressed. Fall and spring semesters as part of the Student Teaching Block.

ED 416 READING IN THE SECONDARY SCHOOL (2)

Practical approaches and teaching strategies (for upper elementary and secondary teachers) for teaching students how to utilize and learn from the variety of reading materials used in secondary schools. Also listed as ED 517. Prerequisites: ED 205 and ED 212. Spring semester; Jan Term.

ED 421 MATHEMATICS IN THE ELEMENTARY SCHOOL (3)

The student will become familiar with various learning theories, methods of teaching skills and concepts, the remediation of students' math skills, and lesson design. Includes field experience. Prerequisites: ED 205 and ED 212. Fall and spring semesters.

ED 422 READING AND LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3)

This is a course designed to be taken simultaneously with student teaching. It focuses on the development of an integrated reading/language arts thematic unit, testing and diagnosis of reading/language arts abilities, and an examination of commonly used testing procedures. Fall and spring semesters as part of student teaching block.

ED 424 SCIENCE IN ELEMENTARY AND MIDDLE-LEVEL SCHOOLS (2)

Students will learn various methods for teaching science at the elementary and middle levels and ideas for integrating science and technology concepts into other disciplines. Included in the course are learning theories, teaching strategies, demonstration and laboratory techniques, an overview of curriculum, assessment guidelines, conducting field trips and safety considerations. Prerequisites: ED 205 and ED 212. Fall and spring semesters; Summer and Jan Terms.

ED 425 LANGUAGE ACQUISITION (3)

This course has two goals: 1) to investigate the development of spoken and written language; 2) to apply knowledge of literacy de-

velopment in designing classroom activities. The course is designed for teachers of English/Language Arts, K-12, and is required for students preparing to teach English as a second language (TESL). Prerequisites: ED 205 and ED 212. Spring semester.

ED 449 DEALING WITH ABUSE AND NEGLECT (1)

Categories, causes and indicators of child abuse and neglect. Legal responsibilities of teachers; working within the schools and social agencies to respond to the needs of children who are victims of abuse and neglect. Prerequisite: ED 205 and ED 212. Fall and spring semesters; Summer and Jan Terms.

ED 461 EDUCATIONAL MEASUREMENT AND EVALUATION (2)

Study and application of the basic elements of educational measurement and evaluation including test construction, validity and reliability, interpreting test results, using portfolios, assessing performance and keeping accurate records. Fall and spring semesters as part of the student teaching block.

ED 465 TESTS AND MEASUREMENTS (3)

Analysis of individual and group tests and their application to pupil progress. Discussion of problems encountered in constructing tests for the classroom. Required for students preparing to teach English as a second language (TESL). Prerequisites: ED 205 and ED 212. Fall semester and summer term.

ED 467 SPECIAL EDUCATION: ASSESSMENT AND DIAGNOSIS (3)

Skills in identifying learning deficiencies at the classroom level. Diagnostic tests and other assessment tools. Establishment of basis for remediation of disabilities. Also listed as ED 500B. Prerequisite: ED 205, ED 212, ED 365. Spring semester.

ED 468 SPECIAL EDUCATION: CURRICULUM AND INSTRUCTION (3)

Materials for education of individuals with disabilities and for remediation of learning deficiencies. Resources available in the profession at urban, rural and district levels. Also listed as ED 500C. Prerequisites: ED 205, ED 212, ED 365. Fall semester.

ED 469 SPECIAL EDUCATION: INCLUSION AND CONSULTATION (3)

Students will become aware of strategies and adaptations appropriate for use in the regular classroom or in the student's least restrictive environment. A large portion of class time will be experiential, to gain and practice skills necessary for success in working with special needs learners and their parents, without neglecting the needs of other students. Also listed as ED 500D. Prerequisites: ED 205, ED 212, ED 365, ED 467, and ED 468. Spring semester.

ED 473 METHODS OF TEACHING SCIENCE IN SECONDARY SCHOOLS (2)

Methods for effective teaching of scientific content, processes, and attitudes at the secondary level; management and evaluation procedures appropriate for the science classroom and laboratory. Prerequisites: ED 205, ED 212. Fall term.

ED 473B COMPUTERS IN SCIENCE EDUCATION (2)

Hands-on experience with microcomputers and currently available educational software in natural sciences. Examples of computer-

assisted instruction. No previous programming experience required. Prerequisites: two science courses or one science course and MA 221; also ED 205, ED 212, ED 424 or ED 473 (may be taken concurrently). Periodic Jan Terms.

ED 476B DEALING WITH CONDUCT DISORDERS (1)

Studies indicate that the average teacher gets interrupted every four to six minutes. The majority of these interruptions involve children with behavioral disturbances. This class is designed to help teachers understand and deal with children with behavioral disturbances. Prerequisites: ED 205, ED 212. Periodic Jan Terms.

ED 476E ESL CURRICULUM DESIGN AND TESTING (3)

Students will learn how to design appropriate curriculum for various skills and levels of second-language teaching. Students will study testing principles and design tests to evaluate language skills. Also listed as ED 526E. Prerequisites: ED 205, ED 212. Spring semester, evening course.

ED 477E SECOND LANGUAGE ACQUISITION (3)

Students gain knowledge about how people acquire first and second languages as well as analyze the language acquisition process. Also listed as ED 527E. Prerequisites: ED 205, ED 212. Fall semester, evening course.

ED 484 SECONDARY EDUCATION SEMINAR (3)

Taken directly prior to the student teaching experience. Principles of teaching, classroom management, discipline. Use of videotape. Fall and spring semesters as part of the student-teaching block.

DIRECTED TEACHING

Upon completion of professional education coursework, students will complete a 10-week student teaching practicum in the public schools under the guidance of a public school teacher and a college supervisor. Prerequisites: Completion of education coursework and/or permission of director of Student Teaching. Students must make application the semester prior to the actual experience. Fall and spring semesters.

ED 494 DIRECTED TEACHING, SPECIAL EDUCATION (10)

Elementary: After completing regular student teaching, students complete an eight-week practicum in a special education setting at the elementary level followed by a two-week alternate level experience in either junior or senior high school. Secondary: Students may combine their special education practicum with their regular student teaching. An alternate level placement is required during Jan Term or summer term in an elementary setting.

ED 496 DIRECTED TEACHING, ELEMENTARY LEVEL (10)

ED 497 DIRECTED TEACHING, JUNIOR HIGH LEVEL (10)

ED 498 DIRECTED TEACHING, SENIOR HIGH LEVEL (10)

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

ENGLISH

FACULTY: Douglas Sugano (Chair), Laura Bloxham, Victor Bobb, Michael Bowen, Linda Hunt (Director of Composition), Marcia Erb (Director of Writing Center), Laurie Lamon, Leonard Oakland

REQUIREMENTS FOR AN ENGLISH MAJOR — B.A. (42)

TRACK I: LITERATURE

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3
One upper-division course in British literature before 1800 (Chaucer, Renaissance, Milton, Neoclassicism, etc.)		3
One upper-division course in British literature after 1800 (Romanticism, English Novel, Victorian, Modern British, etc.) ..		3
One upper-division course in American literature (American Renaissance, American Novel, Southern Renaissance, Modern Poetry, etc.)		3
12 additional credits from those listed above, or from other offerings that carry English credit (World Literature, Film, Linguistics, Domain of the Arts, etc.)		12
EL 498	Senior Project	3

TRACK II: WRITING

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3
EL 245	Introduction to Creative Writing	3
EL 304	Fiction Writing	3
EL 345	Poetry Writing	3
EL 346W	Essay Writing	3
One course in 20th-century literature		3
One additional writing course from the following:		3
EL 210 Writing II		
An approved Journalism course		
Teaching assistantship in EL 110 or other writing course		
An approved internship in journalism, publication, etc.		
One additional approved course in English		3
EL 498W	Senior Project	3

TRACK III: TEACHING ENGLISH IN SECONDARY SCHOOL

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800	3
EL 208	British Literature Since 1800	3
EL 353W	Shakespeare: Early, or	
EL 354W	Shakespeare: Late	3
One upper-division literature course		3

EL 388	Structure and Development of the English Language ..	3
EL 389	Methods of Teaching English in Secondary Schools	3
One of the following:		3
EL 210 Writing II		
EL 245 Introduction to Creative Writing		
EL 304 Fiction Writing		
EL 345 Poetry Writing		
EL 346W Essay Writing		
EL 395 Teaching Assistantship in EL 110 (by permission)		

An approved second teaching field 15-29
(Consult the School of Education before choosing a second field.)
See the School of Education for certification requirements.

REQUIREMENTS FOR AN ENGLISH MINOR (18)

(Non-teaching Majors)

EL 125	Reading Literature	3
15 credits of approved English courses, including at least two upper- division literature courses (which may have prerequisites)		15

REQUIREMENTS FOR ENGLISH AS A SECOND TEACHING FIELD (18-20)

Elementary Teacher candidate (20)

Secondary Teacher candidate (18)

EL 125	Reading Literature	3
EL 205	American Literature: Eras and Modes	3
EL 207	British Literature Before 1800, or	
EL 208	British Literature Since 1800	3
EL 388	Structure and Development of the English Language	3
One writing course beyond Writing I		3
Secondary Teacher candidate — one upper-division literature course (preferably Shakespeare)		3
Elementary Teacher candidate — two additional literature courses ...		6

REQUIREMENTS FOR LANGUAGE ARTS AS A SECOND TEACHING FIELD WITH TRACK III ENGLISH MAJOR (15)

(4-12 endorsement)

JR 125	Writing for Mass Media	3
TA 231	Oral Interpretation	3
TA 273	Acting	3
One of the following:		3
SP 113 Interpersonal Communication		
SP 210 Introduction to Public Speaking		
Three semester credits selected from the following:		3
JR 245 Applied Journalism: Whitworthian		
JR 247 Applied Journalism: Yearbook		
JR 445 Editorial Practicum		
SP 362 Argumentation and Debate		
Theatre Production Credit (TA 145/245/345/445)		
TA 270 Stage Makeup		
TA 275/375 Technical Theatre		

REQUIREMENTS FOR ENGLISH AS A SECOND LANGUAGE (ESL) AS A SECOND TEACHING FIELD (21)

(K-12 endorsement)

EL 453	Linguistics	3
ED 465	Tests and Measurements	3
EL 425	Language Acquisition	3
ED 364	Methods and Materials for Teaching ESL	3
3 semester credits of a continued foreign language (beyond graduation requirement)		3
One of the following:		3
EL 210	Writing II	
EL 346W	Essay Writing	
EL 388	Structure and Development of the English Language	
EL 485	Teaching Writing	
SP 398	Intercultural Communication	
Approved U. S. history or American literature course (option for international students)		
Approved multicultural history or literature course (option for U. S. students)		
Independent Study		
Third-year level Foreign Language course		
One approved elective		3

HUMANITIES COURSES

HU 200 INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES (3)

This team-taught course provides a survey of the art, history, and literature of England, Ireland, Scotland, and Wales. Open to all students, but required for those participating in the British Isles Study Tour. Jan Term preceding the tour (1996).

HU 302 FRENCH CIVILIZATION (2)

A survey of French history from the Gauls and Romans through the 19th century, with emphasis on the French Revolution. Required for the Semester in France study tour; open to all students. Every third fall semester; 1997.

ENGLISH COURSES

EL 093 DEVELOPING WRITING SKILLS (3)

Workshop format, stressing writing as a process plus a grammar review. Course-load credit, but no graduation credit. Fall semester.

EL 110 WRITING I (3)

Full range of writing, from personal to persuasive essays and research papers. Grammar presented as needed. Does not count toward major; minor, or elementary education area of concentration. Fall and spring semesters.

EL 125 READING LITERATURE (3)

Introduction to literary genres: fiction, drama, poetry. Attention to Western and non-Western literature. Initial course for majors. Fall and spring semesters.

EL 196 TOPICS IN ENGLISH (1-3)

Selected lower-division topics in writing or literature. Periodic offering.

EL 205 AMERICAN LITERATURE: ERAS AND MODES (3)

Overview of the major periods, authors, and representative works of American literature from the Puritans through the late 20th century. Preparation for upper division. Prerequisite: EL 125 or permission. Fall and spring semesters.

EL 207 BRITISH LITERATURE BEFORE 1800 (3)

British literature from the Anglo-Saxon period through the Renaissance and 18th century. Major period characteristics, authors, and representative works. Prerequisite: EL 125 or permission. Fall semester.

EL 208 BRITISH LITERATURE SINCE 1800 (3)

British literature from the Romantic period through the 20th century. Major period characteristics, authors, and representative works. Prerequisite: EL 125 or permission (EL 208 may be taken prior to EL 207). Spring semester.

EL 210 WRITING II (3)

Writing argumentative essays and research papers. Emphasis on revision. Prerequisite: EL 110 or permission. Fall and spring semesters.

EL 212 RELIGIOUS THEMES IN MODERN LITERATURE (3)

Addresses issues of personal religious discovery and response to God by modern fiction writers (e. g., Flannery O'Connor, Elie Wiesel, Shusaku Endo). Periodic offering.

EL 213 MYTHS AND FAIRY TALES (3)

Classic myths and fairy tales of Western literature. Periodic offering.

EL 233 THE EPIC (3)

A reading of the Iliad, Odyssey, Aeneid, and the Divine Comedy. Characteristics of the epic in classical and medieval eras. Fall 1995.

EL 235 ASIAN-AMERICAN LITERATURE (3)

A survey of major poetry, short stories, and novels by Asian-American writers. Prerequisite: EL 125 or permission. Jan Term 1996.

EL 242 CRIME AND PUNISHMENT (3)

A dozen whodunits. A study of the genre, its subgroupings, its value as literature. Non-majors welcome. Periodic Jan Term offering.

EL 245 CREATIVE WRITING (3)

The writing of short fiction, drama, poetry. Workshop approach. Prerequisite: EL 125. Fall and spring semester.

EL 250 AMERICAN FILM (3)

Introduction to basic cinema terms, history of the U.S. film industry. Discussion of values in cinema. Ten evening screenings. Film fee. Every third Jan Term; next offered in 1998.

EL 251 MODERN WORLD LITERATURE (3)

Short fiction and novels of European and third-world authors after 1900. Periodic offering.

EL 261 C. S. LEWIS (3)

The thought of C. S. Lewis as found in his philosophical, theological, and imaginative works and the interconnections between those works. Critical evaluation of Lewis' ideas and application of those ideas to contemporary issues. Also listed as PH 261. Fall semester, even years.

EL 262,362 THE BIBLE AS LITERATURE (3)

Reading the Bible as a literary artifact: hero stories, prophetic oracles, myth, apocalypse, poetry. Use of literary criticism and its varied approaches. Periodic offering.

EL 293, 294 DIRECTED READINGS: AMERICAN LITERATURE (1)

A reading list that extends the student's knowledge of American fiction and drama. Six books. Self-paced, conference at end of term. Fall and spring semesters.

EL 300 DOMAIN OF THE ARTS (3)

Exploration of drama, poetry, dance, music, art, film. The arts in relation to society, values, faith. Humanities requirement. Other-culture credit possible. Taught in San Francisco, Jan Term, 1996.

EL 301 CHILDREN'S LITERATURE (3)

Reading and evaluation of a broad range of literature for children. Use of literature in the classroom and other settings. Prerequisite: EL 125. Jan Term.

EL 304 FICTION WRITING (3)

Advanced-level workshop in techniques of fiction. Permission of instructor required. Prerequisite: EL 245. Fall semester.

EL 305W CONTEMPORARY AMERICAN POETRY (3)

Poetry after 1955 by U.S. poets (e.g., Rich, Berryman, Lowell, Plath). Prerequisite: EL 205. Fall semester, odd years.

EL 307W WOMEN IN AMERICAN FICTION (3)

Portrayals of women in American fiction and popular literature. Female and male authors, 1870-1950. Prerequisite: EL 205. Every third fall term; next offered in 1997.

EL 308W BRITISH LITERATURE 1660-1800 (3)

Study of major 18th-century British genres, social history, major authors (e.g., Swift, Pope, Fielding, Dr. Johnson). Prerequisite: EL 207. Fall semester, odd years.

EL 316 SAINTS AND SINNERS IN 19TH-CENTURY AMERICAN FICTION (3)

Consideration of moral and ethical questions raised by a dozen major American novelists and short-story writers. Prerequisite: EL 205. Every third Jan Term; next offered in 1997.

EL 321W THE AMERICAN NOVEL (3)

Development of the novel in the U.S. from 1800 to 1930 (e.g., Hawthorne, Melville, Twain, Cather, Faulkner). Ten novels. Prerequisite: EL 205 or permission. Spring semester, odd years.

EL 324 LITERATURE AND CULTURE OF FRANCE (5)

Focus on French authors and culture of 18th- and 19th-century Paris. Museum visits. Part of Semester in France every third year (spring 1998).

EL 331W SOUTHERN RENAISSANCE (3)

Major 20th-century American writers from the South (e.g., Faulkner, R. P. Warren, Welty). Prerequisite: EL 205. Every third fall term; next offered in 1998.

EL 333 LITERARY ENGLAND (5)

Focus on British authors and works in relation to their settings (e.g., Shakespeare, Milton, Wordsworth, the Brontës). Part of British Isles program, every third year (fall 1996).

EL 344 JOURNAL WRITING AND AUTOBIOGRAPHY (3)

Practical and theoretical approaches to writing about oneself. Readings in significant autobiographies, with a developmental and historical perspective. Both journaling and integrative papers. Also listed as HI 344. Periodic offering.

EL 345 POETRY WRITING (3)

Advanced workshop in poetry composition, revision. Reading of current American poets. By application, portfolio. Prerequisite: EL 245. Spring semester.

EL 346W ESSAY WRITING (3)

Advanced course in expository prose: experimentation with various modes, tones, audiences. Emphasis on revision. Prerequisite: EL 110 or 210. Spring semester.

EL 349W 20TH-CENTURY AMERICAN LITERATURE (3)

Major American novelists and dramatists from World War I to the present (e.g., Wharton, Faulkner to contemporary authors). Prerequisite: EL 205. Every third Fall term; 1996.

EL 352 WORLD CINEMA (3)

Major movements and filmmakers from Europe, Asia, and/or the Third World since World War II: e.g., French New Wave, Bergman, Kurosawa, Latin America or Eastern Europe. Every third Jan Term; next offered in 1996 and 1999.

EL 353W SHAKESPEARE: EARLY (3)

Studies in non-dramatic poetry, history plays, comedies and tragedies through the late 1590s. Prerequisite: EL 207 or permission. Fall semester.

EL 354W SHAKESPEARE: LATE (3)

Studies in non-dramatic poetry, history plays, comedies, tragedies, and romances from the late 1590s through 1613. Prerequisite: EL 207 or permission. Spring semester.

EL 360W 20TH-CENTURY BRITISH LITERATURE (3)

The fiction and drama of the British Isles, 1900 to the present (e.g., Forster, Joyce, Woolf, Greene). Prerequisite: EL 208. Fall semester, odd years.

EL 361: 20TH-CENTURY BRITISH POETRY (3)

Survey of modern and contemporary British poets (Yeats and Auden). Prerequisite: EL 208. Periodic offering.

EL 362 — SEE EL 262**EL 371W BRITISH RENAISSANCE (3)**

English literature of the 16th and 17th centuries (e.g., Spenser, Sidney, Marlowe, Donne, Herbert). Prerequisite: EL 207. Fall semester, even years.

EL 372W AMERICAN RENAISSANCE (3)

Major figures of the 19th-century renaissance in American literature, 1835-1860 (e.g., Emerson, Thoreau, Hawthorne, Melville, Whitman). Prerequisite: EL 205. Spring semester, even years.

EL 374W 17TH-CENTURY BRITISH POETRY (3)

English lyrics of the 17th century: Metaphysical and Cavalier (e.g., Donne, Herbert, Jonson, Marvell). Prerequisite: EL 207. Every third Jan Term; next offered in 1998.

EL 375W VICTORIAN POETRY (3)

A seminar focusing on Tennyson and R. Browning, plus literary and social history. Prerequisite: EL 208. Fall semester, even years.

EL 376W BRITISH ROMANTICISM (3)

Romantic literature in an age of revolution (e.g. Blake, Wordsworth, Mary Shelley, Keats). Prerequisite: EL 208. Spring semester, odd years.

EL 377W MODERN POETRY (3)

The revolution of Modernism in American poetry, 1910-1940 (e.g., Eliot, Pound; Williams, Stevens). Prerequisite: EL 205. Spring semester, even years.

EL 388 STRUCTURE AND DEVELOPMENT OF THE ENGLISH LANGUAGE (3)

Review of traditional grammar; exposure to various new grammars, development of usage. Designed for prospective teachers. Prerequisite: junior standing or permission. Fall and spring semesters.

EL 389 METHODS OF TEACHING ENGLISH IN THE SECONDARY SCHOOLS (3)

Transition from college English major to high school English teacher. Students teach literature, language, composition in simulated classroom. Use of videotape. Fall semester.

EL 393,394 DIRECTED READINGS: WORLD LITERATURE (1)

A reading list that extends the student's knowledge of world fiction and drama from the Classical era to the Modern. Six books. Self-paced, conference at end of term. Fall and spring semesters.

EL 396 TOPICS IN ENGLISH (1-3)

Selected upper-division topics in writing or literature. Periodic offering.

EL 401 MOBY DICK (3)

A close study of Herman Melville's classic novel. Prerequisite: EL 205. Periodic offering.

EL 405W CHAUCER AND MEDIEVAL LITERATURE (3)

Study of Chaucer with emphasis on Canterbury Tales (in Middle English). Other medieval works (e.g., Langland, Romances). Prerequisite: EL 207. Spring semester, even years.

EL 425 LANGUAGE ACQUISITION (3)

The development of spoken and written language, and knowledge of literacy development in designing classroom activities. Designed for teachers of English/Language Arts, K-12; required for ESL endorsement. Spring semester.

EL 453 INTRODUCTION TO LINGUISTICS (3)

Science of language. Pronunciation, rhythm, intonation, acoustic nature of speech. Course progresses toward more conceptual aspects of language. Fall semester, odd years.

EL 454W RUSSIAN LITERATURE (3)

Russian fiction of the 19th century (e.g., Turgenev, Gogol, Dostoevsky, Tolstoy). Prerequisite: EL 125. Periodic offering.

EL 455W MILTON (3)

Reading Milton's major works with special emphasis on Paradise Lost. Prerequisite: EL 207. Fall semester, even years.

EL 465W ENGLISH NOVEL (3)

The rise of the novel from 1720 through 1895 (e.g., Defoe,

Austen, Dickens, George Eliot, Hardy). Prerequisite: EL 208. Spring semester, even years.

EL 484W LITERARY CRITICISM (3)

Learning to write from various critical perspectives. Major literary theories from Aristotle to the 20th century. Prerequisites: EL 205, EL 207, and EL 208. Fall semester, odd years.

EL 485 TEACHING WRITING (3)

A variety of formats used to explore philosophies, criticism, and methods of teaching writing at any level. Designed for teachers and prospective teachers. Regular summer offering.

EL 493, 494 DIRECTED READINGS: BRITISH LITERATURE (1)

A reading list that extends the student's knowledge of British fiction and drama. Six books. Self-paced, conference at end of term.

EL 498W SENIOR PROJECT (3)

Capstone colloquium for English majors. Major project (e. g., research paper, poetry or fiction portfolio), including presentation. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

ENGLISH LANGUAGE PROGRAM

FACULTY: Janet Yoder (director), Ann Dentler

For students whose primary language is not English, a series of courses is available to bring their reading, writing, conversation and grammar skills up to a level of proficiency necessary for independent participation in the other courses in Whitworth's curriculum. Students are admitted to the English Language Program if their TOEFL scores are between 460 and 524, or if Whitworth's placement testing indicates a language skill deficiency. All such students are required to prove their English proficiency before they matriculate fully. Each course carries 3 or 4 semester credits and is completely creditable toward graduation.

The regular sequence of courses offered each year is:

EL 107A	Advanced Grammar	4
EL 107B	Advanced Writing	4
EL 107C	Advanced Reading	4
EL 107D	Lecture Preparation	4
EL 107E	American Studies II	4
EL 107G	Directed Conversation	4

The following courses are available on a periodic basis:

EL 105A	Intermediate Grammar	4
EL 105B	Intermediate Writing	4
EL 105C	Intermediate Reading	4
EL 105D	Intermediate Conversation	4
EL 105E	American Studies I	4
EL 105F	Drama/Directed Conversation	4
EL 105G	Special Problems	4
EL 105H	Directed Study	4
EL 107H	Special Problems	4
EL 107I	Directed Study	4
EL 108A	Class Visitation and Review	3
EL 203	Research Writing	3

ENGLISH LANGUAGE PROGRAM COURSES

EL 107A ADVANCED GRAMMAR (4)

An intensive review of English grammar. Formal and idiomatic structures. Lecture, discussion, recitation. Fall semester.

EL 107B ADVANCED WRITING (4)

Emphasis on composition skills for academic writing. Paragraph and essay forms. Discussion, analysis. Spring semester.

EL 107C ADVANCED READING (4)

Emphasis on improving vocabulary, comprehension, and critical thinking. Discussion and recitation. Fall semester.

EL 107D LECTURE PREPARATION (4)

Examination of expectations in an American college classroom. Focus on critical thinking skills, note-taking, reading strategies. Lecture, discussion, class visits. Spring semester.

EL 107E AMERICAN STUDIES II (4)

Integration of basic skills for study of American history, geography, and culture. Lecture, discussion, field trips. Spring semester.

EL 107G DIRECTED CONVERSATION (4)

Focus on verbal and non-verbal communication, active listening, relationships, leadership styles, problem-solving, and interviews. Oral research project and formal presentation. Discussion. Fall semester.

EL 107H SPECIAL PROBLEMS AND SKILL DEVELOPMENT (4)

Focus on selected skill deficiencies for individual or group needs.

EL 107I DIRECTED STUDY II (4)

Individualized course of study for the student who may need course enrichment.

EL 108A CLASS VISITATION AND REVIEW (3)

Simultaneous enrollment in selected college course. Note-taking, testing strategies, research tasks, and special vocabulary in academic content area.

EL 203 RESEARCH WRITING (3)

Research writing for the international student. Also offered as EL 403 for graduate international students.

POST-BACCALAUREATE SCHOLAR PROGRAM

This program is for international students who want a special non-degree course of study in order to improve English language skills for graduate school admission or simply to have an experience on an American campus. In addition to the courses in the English Language Program, the post-baccalaureate scholar is allowed to pursue courses of special interest in the same way that auditing American students do.

For admission to this program, an applicant needs to present proof of a completed baccalaureate degree and adequate language proficiency (460 TOEFL or equivalent experience in English study). This program does not earn the student any credits toward a degree, and any program participant wishing to change status to that of a degree-seeking student must follow the present policy for international student admissions. Participation in this program is normally limited to one full academic year.

HEALTH PROFESSIONS STUDIES

Whitworth College places a strong emphasis on preparation of students for entering one of the health professions. Programs exist in the Departments of Biology, Chemistry, and Physical Education and Athletics, preparing students for a variety of professional schools.

Nursing

Whitworth College is a full consortium member of the Intercollegiate Center for Nursing Education in Spokane, and through ICNE offers the Bachelor of Science in Nursing and Master of Nursing degrees. For information on course descriptions and major requirements, refer to the Department of Nursing listings in this catalog.

Four-year degree with Preparation for Medicine, Dentistry, Veterinary Medicine, Osteopathy, Chiropractic, Optometry and Podiatry Schools*

This program will, in most cases, encompass the professional school entrance requirements for the types of professional schools listed above. The courses listed be-

low do not constitute a "pre-professional major." Each student must complete a major in one of Whitworth's departments (usually, but certainly not restricted to, a major in biology, chemistry, or physics).

The following are required science courses:

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
CH 161	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 393	Organic Chemistry II	3
CH 393L	Organic Chemistry II Lab	1
MA 110	Calculus I	4
MA 111	Calculus II	4
PS 151	General Physics I	4
PS 153	General Physics II	4

No "Pass/No Credit" grades are allowed in basic courses or in those courses required by professional school. The above courses constitute the science requirement for admission to nearly all professional schools. The college pre-professional advisor should be consulted to determine exact entrance requirements for a specific school. The advisor maintains a current collection of U.S. professional school and graduate school catalogs for students' use.

Listed below are additional courses which may provide useful background training. Some are required by at least one medical school in Oregon, California or Washington (note: residents of Alaska, Idaho and Montana are eligible to seek admission to the University of Washington's professional schools). Students from other states are encouraged to discuss entrance requirements with the pre-professional advisor.

Additional courses:

BI 363W**	Genetics (required for veterinary school)	4
BI 399***	Molecular Biology	4
BI 412***	Biology of Cells	4
CH 401W***	Advanced Biochemistry	4
MA 356***	Elementary Probability and Statistics	3

**Required by one or more professional schools in Washington, Oregon or California.

***Recommended by one or more professional schools in Washington, Oregon or California. Several schools require a year of English, literature and composition, as well as a year of studies in the behavioral and social sciences. California encourages development of language skills in Spanish.

Pre-Medical Technology*

Designed for pre-professional students who are preparing themselves for entrance into hospital-based programs to complete their education. The intent is to supply the student with a solid background of those sciences pertaining to the field. The program permits the completion of sufficient basic coursework to allow application to a hospital-based medical technology school. After a year of internship in a hospital laboratory, a student can obtain certification as a medical technologist.

Three years of college are usually required, with a B.S. degree preferred. The following courses will fulfill most minimum requirements for entry into a medical technology program:

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 204	Microbiology	4
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
CH 161	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 163	Bioorganic Chemistry	4
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 335W	Analytical Chemistry I	3
CH 335L	Analytical Chemistry I Lab	1
CH 336	Analytical Chemistry II	3
CH 336L	Analytical Chemistry II Lab	1
CH 393	Organic Chemistry II	3
CH 393L	Organic Chemistry II Lab	1
CH 401W	Advanced Biochemistry	3
CH 401L	Advanced Biochemistry Lab	1
EL 110	Writing I	3
MA 109	Algebra and Trigonometry	4

Additional courses in biology and physics are highly recommended.

Pre-Occupational Therapy*

This program includes two years at Whitworth followed by professional schooling elsewhere or an M.S. to follow an undergraduate degree in a standard academic discipline. Whitworth courses taken must be tailored to meet professional school requirements. The courses listed below are required by many professional programs.

MA 109	Algebra and Trigonometry	3
MA 110	Calculus I	4
MA 111	Calculus II	4
PS 151	General Physics I	4
PS 153	General Physics II	4
CH 161	Principles of Chemistry I	3

CH 161L	Principles of Chemistry I Lab	1
CH 163	Bioorganic Chemistry	3
CH 163L	Bioorganic Chemistry Lab	1
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
EL 110	Writing I	3
PY 201	Principles of Psychology	3
PY 210W	Childhood and Adolescence	3
SO 120	Social Reality: Introduction to Sociology	3

Pre-Physical Therapy*

Most physical therapy programs are moving toward either a six-year B.S. degree or an M.S. to follow an undergraduate degree in a standard academic discipline. The traditional "2+2" programs are being phased out. Courses should be chosen to meet the requirements of the particular professional school.

Those listed below are frequently needed.

CH 161	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 163	Bioorganic Chemistry	3
CH 163L	Bioorganic Chemistry Lab	1
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
MA 109	Algebra and Trigonometry	4
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 356	Elementary Probability and Statistics	3
PS 151	General Physics I	4
PS 153	General Physics II	4
EL 110	Writing I	3
PY 201	Principles of Psychology	3
PY 210W	Developmental Psychology	3
SO 120	Social Reality: Introduction to Sociology	3

Pre-Pharmacy*

Requires two years or more at Whitworth, then transfer to a professional pharmacy school. Many students enter pharmacy programs after obtaining a baccalaureate degree. Some pharmacy programs are moving toward a doctoral degree (D.Pharm.).

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
BI 204	Microbiology	4
BI 220	Human Anatomy	4
CH 161	Principles of Chemistry I	3
CH 161L	Principles of Chemistry I Lab	1
CH 271	Organic Chemistry I	3
CH 271L	Organic Chemistry I Lab	1
CH 281	Principles of Chemistry II	3
CH 281L	Principles of Chemistry II Lab	1
CH 393	Organic Chemistry II	3

CH 393L	Organic Chemistry II Lab	1
One of the following:		4
MA 109	Algebra and Trigonometry	
MA 110	Calculus I	
EL 110	Writing I	3

*It is to be understood that completion of any of the above health career programs does not guarantee admission to professional school. It is essential that a student entering one of these programs contact the indicated advisor as soon as possible.

HISTORY/POLITICAL AND INTERNATIONAL STUDIES

FACULTY: Arlin Migliazzo (Chair), James Hunt, Robert Lacerte, Daniel Sanford, Kenneth Shipp, Corliss Slack, Dale Soden, Julia Stronks, John Yoder

REQUIREMENTS FOR A HISTORY MAJOR — B.A.

(39)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
HI 220	Ancient and Medieval Worlds	3
HI 222	The Modern World	3
HI 488W	Ideas about History	3
Two upper-division American history courses:		6
HI 320	19th-Century America	
HI 357	Recent American History	
HI 375W	Early American History	
HI 384W*	Pacific Northwest History	
HI 410W	American Intellectual History	
HI 463	American Foreign Policy	
Two upper-division European history courses:		6
HI 315	Medieval Europe	
HI 327	Contemporary Europe	
HI 354	19th-Century Europe	
HI 355	History of England and the British Empire	
HI 356	Topics in British History	
HI 374	Renaissance and Reformation	
HI 377	The Enlightenment	
One non-Western history course:		3
HI 245	Cultural History of China and Japan	
HI 325W	History of Latin America	
HI 340	Contemporary Africa	
HI 341	Contemporary South Africa	
HI 346	Contemporary China and East Asia	
HI 365	Imperial Russia	
HI 366	History of Modern Russia and the Soviet Union	

Three elective courses in history 9

One major research paper

A minimum of two courses in the major must be at the 400 level.

Internship is strongly recommended.

*required for teacher certification

REQUIREMENTS FOR TEACHING HISTORY WITH AN UNRELATED SECOND TEACHING FIELD — B.A. (43)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
HI 220	Ancient and Medieval Worlds	3
HI 222	The Modern World	3
HI 488W	Ideas About History	3
PO 102	American National Politics	3
One course in American history		3
(For teacher certification, HI 384W is required)		
One course in European history		3
One course in non-Western history		3
At least three history courses must be at the upper-division level.		
A minimum of 16 semester credits in an approved second teaching field		16

REQUIREMENTS FOR TEACHING HISTORY WITH A RELATED SECOND TEACHING FIELD (Social Studies, Political Studies, English, Economics) — B.A. (40)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
HI 220	Ancient and Medieval Worlds	3
HI 222	The Modern World	3
HI 384W	Pacific Northwest History	3
HI 488W	Ideas About History	3
Two upper-division courses		6
A minimum of 16 semester credits in an approved, related, second teaching field		16

REQUIREMENTS FOR A POLITICAL STUDIES MAJOR — B.A. (39)

PO 102	American National Politics	3
PO 151	International Relations	3
PO 240	Comparative Politics	3
Three courses in American politics:		9
PO 223	Law and Society	
PO 242W	American Political Parties	
PO 275	Cities and States in American Politics	
PO 334	Gender, Politics and Law	
PO 365W	American Constitutional Law	
PO 463	American Foreign Policy	
Two courses in political theory:		6
PO 423W	Marxism and the Socialist World	
PO 433W	Western Political Thought	
PO 434W	American Political Thought	
Two of the following:		6
PO 327	Contemporary Europe	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
PO 346	Contemporary China and East Asia	

PO 366	History of Modern Russia and the Soviet Union
SO 307	Contemporary Latin American Problems
PO 445	Revolution in History

Three additional courses in political studies 9
 One major research paper:
 At least two courses in the major must be at the 400 level.
 Internship strongly recommended. At least one "W" course must be taken in the major.

REQUIREMENTS FOR A MAJOR IN INTERNATIONAL STUDIES — B.A. (48-49)

PO 151	International Relations	3
EC 211	Principles of Macroeconomics	3
HI 222	Modern World	3
PO 240W	Comparative Politics	3
PO 423W	Marxism and the Socialist World	3
PO 425W	The Third World: Political Change	3
PO 463	American Foreign Policy	3
PO 498W	Senior Seminar: International Relations	3
6 semester hours of Modern Language		6
(at the intermediate level in Chinese, Russian, or Japanese; or at the advanced 300+ level in German, French, or Spanish)		
One course in American politics:		3
PO 102	American National Politics	
PO 244	Modern Congress	
One other-culture study involving foreign travel		3
Three courses in regional studies:		9
(two course sequence recommended)		
HI 245	Cultural History of China and Japan	
HI 346/PO 346	Contemporary China and East Asia	
HI 327/PO 327	Contemporary Europe	
HI 354	19th-Century Europe	
HI 325W	History of Latin America	
SO 307	Contemporary Latin American Problems	
HI 340/PO 340	Contemporary Africa	
HI 341/PO 341	Contemporary South Africa	
HI 365	Imperial Russia	
HI 366/PO 366	History of Modern Russia and the Soviet Union	
SO 238	Sociology of the Middle East	
3-4 semester hours from the following:		3-4
HP 101	Cultural and Physical Geography	
HP 102	Political Geography	
HI 220	History of Ancient and Medieval Worlds	
PO 353W	World Order Studies	
HI 445/PO 445	Revolution in History	
Study abroad is strongly recommended.		

REQUIREMENTS FOR AMERICAN STUDIES MAJOR — B.A. (45)

HI 131	American History before 1877	3
HI 132	American History since 1877	3
PO 102	Introduction to American Politics	3
EL 205	American Literature: Eras and Modes	3
Other disciplinary view of American culture:		6
HI 212	American Popular Culture	
HI 228	American Minority Heritage	

SO 120	Social Reality: Introduction to Sociology	
RE 323W	American Christianity	
Two 300-level American literature courses		6
Two of the following: HI 320, 334, 357, 375W		6
Two courses in American intellectual development:		6
HI 410W	American Intellectual History	
PO 365W	American Constitutional Law	
PO 434W	American Political Thought	
Two advisor-approved electives chosen in consultation with an advisor		6
One of the following: HI 488W, 499, PO 498W, 499		3
An internship, if possible, is highly recommended. At least one "W" course is required in the major.		

REQUIREMENTS FOR CROSS-CULTURAL STUDIES MAJOR — B.A. (50)

PO 151	International Relations	3
SO 200	Cultural Anthropology	3
Foreign Language		14-16
A four-course sequence either in second-year and third-year-level French, German, or Spanish; or where offerings are limited in Russian or Asian languages, students should complete the total credits in a combination of two languages as approved by advisor.		
Foreign Study		9
Courses of study in foreign culture and foreign language. Courses should be in sociology, history, politics, literature, the arts or the established courses of Whitworth semester-abroad programs.		
Fine Arts and Humanities		6
FA 101	Introduction to Fine Arts	
AR 262	History of Non-Western Art	
EL 235	Asian American Literature	
EL 251	Modern World Literature	
EL 393/394	Directed Readings in World Literature	
EL 453	Introduction to Linguistics	
Area Studies		9
SO 307	Problems of Latin America	
HI 325W	History of Latin America	
HI 222	Modern World	
HI 354	19th-Century Europe	
HI 324	Contemporary Europe	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
SO 238	Sociology of the Middle East	
HI 245	Cultural History of China and Japan	
HI 346	Contemporary China and East Asia	
HI 355	History of England and the British Empire	
HI 365	Imperial Russia	
PO 366	Modern Russia and the Soviet Union	
Selected Interdisciplinary and Special Emphasis Courses		6
RE 370	Religion in the Modern World	
SP 113	Interpersonal Communications	
HI 297	Nonviolent Defense and Conflict Resolution	
SO 244	First Corinthians	
HP 101	Cultural and Physical Geography	
HP 102	Political Geography	

REQUIREMENTS FOR AN INTERNATIONAL POLITICAL ECONOMY MAJOR — B.A. (48)

PO 151	International Relations	3
PO 240W	Comparative Politics	3
PO 423W	Marxism and the Socialist World	3
PO 463	American Foreign Policy	3
EC 210	Principles of Microeconomics	3
EC 211	Principles of Macroeconomics	3
EC 320	Intermediate Microeconomic Analysis	3
EC 321W	Intermediate Macroeconomic Analysis	3
EC 425W	Economic Development	3
MA 356	Elementary Probability and Statistics	3
One of the following contemporary area courses:		
SO 238	Sociology of the Middle East	
SO 307	Contemporary Latin American Problems	
PO 327	Contemporary Europe	
PO 340	Contemporary Africa	
PO 341	Contemporary South Africa	
PO 346	Contemporary China and East Asia	
One of the following history area courses:		
HI 222	The Modern World	
HI 245	Cultural History of China and Japan	
HI 325W	History of Latin America	
HI 355	History of England and the British Empire	
HI 366*	History of Soviet Russia	
One of the following economic area courses:		
EC 345	Economics of Social Issues	
EC 355	Comparative Economic Systems	
EC 365W	History of Economic Thought	
EC 416	International Trade and Finance	
PO 498W	Senior Seminar: Politics of Global Economics	3
Two upper-division language classes		6
(Students may fulfill this requirement by completing two different languages through the 200 level.)		
Study abroad is strongly recommended.		

REQUIREMENTS FOR A PEACE STUDIES MAJOR — B.A. (45)

Religious Ideals, Social Values, and Peace

HI 297/PO 297	Nonviolent Defense/Conflict Resolution	3
RE 329	Christianity and Society	3
RE 384	Christian Ethics	3

War, Revolution, and Peace

Two of the following:		
HI 327/PO 327	Contemporary Europe	
HI 325W	History of Latin America	
HI 341/PO 341	Contemporary South Africa	
HI 346/PO 346	Contemporary China and East Asia	
HI 445/PO 445	Revolution in History	
HI 463/PO 463	American Foreign Policy	
SO 238	Sociology of the Middle East	
SO 307	Contemporary Latin American Problems	

Economics, the Environment, and Peace

Two of the following:	6
EC 210 Principles of Microeconomics	
EC 211 Principles of Macroeconomics	
BI 104 Human Ecology	
SO 423 Sociology of Wealth and Poverty	
PO 425W The Third World: Political Change	

Ideologies, Political Structures, and Peace

Two of the following:	6
PO 242 American Political Parties	
PO 244 Modern Congress	
PO 353W World Order Studies	
PO 423W Marxism and the Socialist World	
PO 433W Western Political Thought	
PO 434W American Political Thought	

Peacemaking in Practice

PO 499 Senior Seminar	3
Four additional courses chosen from any listed above	12
Internship required	3
At least one "W" course required in the major	
Study abroad strongly recommended.	

REQUIREMENTS FOR A MINOR IN PEACE STUDIES (15)

HI/PO 297 Nonviolent Defense/Conflict Resolution	3
Four approved Peace Studies courses	12

REQUIREMENTS FOR HISTORY AS A MINOR OR SECOND TEACHING FIELD (4-12 endorsement) (21)

One of the following:	3
HI 131 American History before 1877	
HI 132 American History since 1877	
One of the following:	3
HI 220 Ancient and Medieval Worlds	
HI 222 The Modern World	
One of the following:	
HI 315, 327, 354, 355, 356, 365, 366, 374, or 377	3
One of the following:	
HI 325W, 340, 341, 346, 365, or 366	3
One elective chosen from 200-, 300-, or 400-level courses:	3
HI 384W Pacific Northwest History	3
HI 488W Ideas About History	3
(Successful completion of CO 250 or advanced junior status required)	

REQUIREMENTS FOR POLITICAL STUDIES AS A MINOR OR SECOND TEACHING FIELD (4-12 endorsement) (21)

PO 102 American National Politics	3
PO 151 International Relations	3

One course in American politics	3
One course in International politics	3
Three approved upper-division courses	9
(For teacher certification one of these courses must be PO 433 Western Political Thought or PO 434 American Political Thought.)	

REQUIREMENTS FOR SOCIAL STUDIES AS A SECOND TEACHING FIELD WITH A MAJOR IN HISTORY (22)

(4-12 endorsement)

HP 101 Cultural and Physical Geography	2
HP 102 Political Geography	2
PO 102 American National Politics	3
PO 151 International Relations	3
SO 120 Social Reality: Introduction to Sociology	3
EC 211 Principles of Macroeconomics	3
(Prerequisite MA 108)	

Two additional courses chosen from political studies, economics, or psychology	6
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PRE-LAW PROGRAM

Students interested in preparing for law school are encouraged to select a broad range of courses within the heart of a liberal arts program. Any liberal arts major may be selected, but it is highly desirable that students select majors that would emphasize writing skills, logical and critical thinking, close reading of difficult material, and oral communication of ideas and arguments. Course selection should be worked out in consultation with a pre-law advisor from the History/Political and International Studies Department. Majors that may be most relevant to preparation for law school include History, Political and International Studies, Literature, Philosophy, Accounting, Communication Studies, Economics, Sociology, Psychology, Mathematics, and Sciences, as long as the selection of major courses and electives is broadly designed and oriented toward rigorous training in thinking, writing, reading, and verbal communication. Normally, law schools utilize the Law School Admission Test, together with an accomplished undergraduate record of academic achievement (G.P.A.), faculty references, and evidence of leadership potential or internship experience as the basis for making admission decisions.

GEOGRAPHY COURSES

HP 101 CULTURAL AND PHYSICAL GEOGRAPHY	(2)
Survey of world regional geography. Emphasis on human interaction with the global environment. Alternate years.	

- HP 102 POLITICAL GEOGRAPHY (2)**
Survey of world political geography. Emphasis on the interplay between the geographical environment and political systems and institutions. Focus on regional studies. Alternate years.

HUMANITIES COURSE

- HU 200 INTRODUCTION TO THE CULTURE OF THE BRITISH ISLES (4)**

This team-taught Jan Term course will provide a survey of the art, history, and literature of England, Ireland, Scotland, and Wales. Open to all students, but required for those participating in the British Isles Study Tour. Also cross-listed as AR 200 and EL 200. Jan Term preceding the British Isles Study Tour.

HISTORY COURSES

- HI 120 THE CRUSADES (3)**

The crusades of the twelfth and thirteenth centuries will be investigated for their impact on Western Europe, the Byzantine Empire, and the Muslim World. Jan Term.

- HI 131 AMERICAN HISTORY BEFORE 1877 (3)**

Discovery and settlement of North America; Puritans and Cavaliers; Enlightenment and the American Revolution; early democracy and reform movements; Western expansion and slavery; the sectional crisis and causes and results of the Civil War. Course taught with a geographical focus. Fall semester.

- HI 132 AMERICAN HISTORY SINCE 1877 (3)**

Political, social, and economic modernization of the U.S. since reconstruction, development of 20th-century life and culture, America's role in the community of nations. Spring semester.

- HI 196 TOPICS IN HISTORY (1-3)**

Selected lower-division topics in history. Periodic offering.

- HI 212 AMERICAN POPULAR CULTURE (3)**

Values and ideas which are reflected in the various forms of popular culture. Analysis of music, sport, popular art, television, and cinema, with special attention to the twentieth century. Spring semester, odd years.

- HI 220 ANCIENT AND MEDIEVAL WORLDS (3)**

The human story in history and literature, with emphasis on world civilizations of the Ancient Near East, Hebrews, Greeks and Romans, and of India, China, and Medieval Europe to 1500 A. D. Fall and spring semesters.

- HI 222 THE MODERN WORLD (3)**

Study of change and continuity in history, focusing on the impact of the social, political, religious, and economic forces that have shaped our modern world over the past 500 years. Fall and spring semesters.

- HI 228 AMERICAN MINORITY HERITAGE (3)**

History and culture of major ethnic and racial groups in American life. Special emphasis on the role of race and nationality in the pursuit and achievement of "the American Dream." Offered on sufficient demand. Fulfills the "Multicultural" requirement.

- HI 235 PORTRAITS OF AMERICA (3)**

Explores the role individuals play in American History, 1620-1980s. Exploration of values, lifestyles, cultural impact of individuals on society. John Winthrop, Jane Addams, Walt Disney, Frank Lloyd Wright, Richard Nixon, many others included. Two-track reading and examination system relative to learning styles. Lectures, group discussions, audiovisual materials and autobiographies will be used to enhance learning. Jan Term.

- HI 245 CULTURAL HISTORY OF CHINA AND JAPAN (3)**

Illustrates how cultural heritage can explain the current behavior and character of the Chinese and Japanese. Religions, philosophies, arts, politics, and social organization as basic elements of Asian culture. Also listed as PO 245. Spring semester.

- HI 297 NONVIOLENT DEFENSE AND CONFLICT RESOLUTION (3)**

Major themes in the history and politics of nonviolence. Just War theory, nuclear pacifism, alternatives to military force, interpersonal conflict resolution included. Ideas of Jesus, Tolstoy, Gandhi, Niebuhr, M.L. King Jr., and Gene Sharp will be explored. Also listed as PO 297. Spring semester.

- HI 300 TOPICS IN SOVIET/RUSSIAN CULTURAL HISTORY (3)**

A study of selected topics in Russian and Soviet history, including discussions of current economic and social issues in Russia. Course includes travel to Moscow, Leningrad and Kiev. Meets the "Multicultural" general requirement.

- HI 315 MEDIEVAL EUROPE (3)**

European civilization in the fourth through fourteenth centuries will be investigated with an emphasis on ideas and institutions such as the medieval papacy, feudalism, and the concept of Christendom. Alternate years.

- HI 320 19TH-CENTURY AMERICA (3)**

Social, religious, and political reforms of the early 1800s; the far Western frontier; the Cotton Kingdom; the Civil War and Reconstruction, industrialization and reform of the "Gilded Age" to the 1890s. Spring semester, odd years.

- HI 325W HISTORY OF LATIN AMERICA (3)**

Latin American civilization from its Aztec and Indian heritage to the bloody Mexican revolution. Focus on history of Mexico and historical perspective on contemporary conflicts and revolutionary movements. Spring semester.

- HI 327 CONTEMPORARY EUROPE (3)**

Forces, individuals, events that have shaped 20th-century Europe. Special emphasis on the interaction between Europe and the non-Western world. Also listed as PO 327. Alternate years.

- HI 334 GENDER, POLITICS AND LAW (3)**

Issues related to gender in American political history. Theoretical foundation of the women's movement; current political conflict related to gender in workplace, family, and society. Also listed as PO 334. Fall semester, odd years.

- HI 340 CONTEMPORARY AFRICA (3)**

Recent colonial and independence history of principal African countries. Traditional setting, cultural change, modern philosophies of

political and economic development. Also listed as PO 340. Spring semester.

HI 341 CONTEMPORARY SOUTH AFRICA (3)

Analysis of the history, politics, and religion of this strife-torn region of the African continent. Emphasis on the stress and conflicts between the Africans, the British, and the Afrikaners in the early years and on recent attempts to dismantle the apartheid system. Also listed as PO 341. Jan Term 1997 in South Africa.

HI 346 CONTEMPORARY CHINA AND EAST ASIA (3)

Interpretation of recent events in China, Japan, Taiwan, and Korea. Chinese revolution of 1911; warlord era in China, Japanese militarism, communist revolution on the mainland, Japanese invasion of China, American occupation of Japan, normalization in China, Japan's economic ascendancy. Also listed as PO 346. Fall semester.

HI 354 19TH-CENTURY EUROPE (3)

Study of the rise of the modern ideologies of liberalism, conservatism, socialism, nationalism within the context of social, political, economic and industrial change. Focus on individuals and forces, expressions in literature, art, and religion. Alternate years.

HI 356 TOPICS IN BRITISH HISTORY (4)

Taught every third year as part of Study Tour to the British Isles.

HI 357 RECENT AMERICAN HISTORY (3)

American life and culture since 1900. Focus on national and international forces which have contributed to the present context of American life. Special emphasis on popular culture and social movements. Fall semester.

HI 365 IMPERIAL RUSSIA (3)

Survey of Russian civilization from earliest times to 1855. Evolution of the tsarist state, genesis of East-West conflict, the expansion of the Russian empire. Studies in Russian culture. Offered on sufficient demand.

HI 366 MODERN RUSSIA AND THE SOVIET UNION (3)

Challenges to tsarist authority after 1855, rise of revolutionary agitation, adaptation of Marxism to Russian life and culture, history and politics of the Soviet system, transformation of the arts to serve the state, dissident voices, US-USSR relations. Also listed as PO 366. Offered on sufficient demand.

HI 374 RENAISSANCE AND REFORMATION (3)

Institutions, individuals, social forces, ideas, patterns of behavior, artistic expressions. Emphasis on the vitality of this period. Fall semester, odd years.

HI 375W EARLY AMERICAN HISTORY (3)

Anglo-America from the 1600s to the Revolution. Study of society, economics, politics and cultural development with particular focus on ideological origins of the American revolution; formation of new states and the federal government, and Republicanism. Students will use contemporary writings and conflicting interpretations. Alternate years.

HI 377 THE ENLIGHTENMENT (3)

The rise of modern patterns of thought as affected by the science, art and literature of 17th- and 18th-century Europe. Scientific Revolution of Newton to the French Revolution of Napoleon; age of Rea-

son to the reaction of Romanticism. Emphasis on the spirit of inquiry and daring. Spring semester, odd years.

HI 384W PACIFIC NORTHWEST HISTORY (3)

Explores the Pacific Northwest as a geographic "culture area" from prehistory to the present. Perspectives of the various peoples who have lived there: Native Americans, Europeans, Canadians, Americans. Modernization and contemporary issues in the Pacific Northwest. Role of the region as a symbol of the pioneering spirit of the West. Fall semester.

HI 396 TOPICS IN HISTORY (1-3)

Selected upper-division topics in history. Periodic offering.

HI 410W AMERICAN INTELLECTUAL HISTORY (3)

Focus on major thinkers and periods in American history. Special emphasis on Puritanism, the Enlightenment, Romanticism, Social Darwinism, and the major currents of 20th-century thought. Fall semester, even years.

HI 423W MARXISM AND THE SOCIALIST WORLD (3)

Context and development of Marx's critique of capitalism. Later interpretations and application of Marx's theories in a variety of revolutions from those of the Soviet Union, China, Yugoslavia and Cuba to current upheavals in the socialist world. Also listed as PO 423. Fall semester.

HI 445 REVOLUTION IN HISTORY (3)

Theory and history of revolution in Western Civilization. The "Great Rebellion" in England and revolutions in America, France, Russia, China. Contemporary revolutionary movements in Latin America, Africa and Asia. Also listed as PO 445. Offered upon sufficient demand.

HI 463 AMERICAN FOREIGN POLICY (3)

Major themes, debates, patterns, and precedents of American foreign policy emphasizing 20th-century diplomatic issues. Also listed as PO 463. Offered annually.

HI 488W IDEAS ABOUT HISTORY (3)

Major ideas and writings of history, historians' fallacies and style. How historians are influenced and in turn influence world views. Historical method, philosophy of history, biography, national bias, use of sources, the craft of teaching history, and the study of Christianity and history included. In-depth study of selected historians and their work. Prerequisite: Completion of Core 250 or advanced junior status. Fall and spring semesters.

HI 499 SENIOR HONORS THESIS (3)

Researching and writing of a major undergraduate thesis. By approval. May be repeated for credit to a maximum of 6 semester credits. Also listed as PO 499.

POLITICAL STUDIES COURSES

PO 102 AMERICAN NATIONAL POLITICS (3)

Overview of founding principles, political culture, decision-making processes, and institutions of American government. Fall and spring semesters.

PO 121 POLITICS AND FILM (3)

An exploration of the themes of power and authority as portrayed in the cinema. Exploration of political reality as it involves exchanges among individuals, governmental and non-governmental organizations, at the international and domestic levels. Fall semesters.

PO 151 INTERNATIONAL RELATIONS (3)

Character and major problems of international life in today's world. Foreign policy behavior of major states, traditional and recent security issues, causes of war and conflicts, impact of independence. Fall and spring semesters.

PO 223 LAW AND SOCIETY (3)

The role of law in society. Participants in the legal system (lawyers, judges, police, juries), study of the structure of the judicial system, trial procedures. Spring semester, even years.

PO 240W COMPARATIVE POLITICS (3)

Different governmental styles and political life of selected European, Asian, and Latin American governments. Comparisons of government structures, functions, and outcomes. The course will examine democratic, authoritarian, patron-client, and revolutionary systems. Fall semester.

PO 242W AMERICAN POLITICAL PARTIES (3)

The role and functioning of parties in American politics and government. Interest groups, political action committees, campaigning, and voting behavior are also examined. Fall semester, even years.

PO 244 MODERN CONGRESS (3)

Evolution of Congress and its relationship to modern society, the bureaucracy, and the executive. Special focus on the participants and the process of policy making. Fall semester, even years.

PO 245 CULTURAL HISTORY OF CHINA AND JAPAN (3)

Illustrates how cultural heritage can explain the current behavior and character of the Chinese and Japanese. Religions, philosophies, arts, politics, and social organization as basic elements of Asian culture. Also listed as HI 245. Spring semester.

PO 275 CITIES AND STATES IN AMERICAN POLITICS (3)

The changing tasks of cities and states in managing our societal future and the extent to which structures and policies are effective are examined. The politics of taxation, environment, consumer protection, transportation, urban planning, poverty, crime, and education are considered. Spring semester, odd years.

PO 293 GREAT DECISIONS (1)

Participation in series of lectures and discussions on crucial foreign policy issues. Written responses to presentations. Spring semester.

PO 297 NONVIOLENT DEFENSE AND CONFLICT RESOLUTION (3)

Major themes in the history and politics of nonviolence. Just War theory, nuclear pacifism, alternatives to military force, interpersonal conflict resolution. Ideas of Jesus, Tolstoy, Gandhi, Niebuhr, M.L. King Jr., Gene Sharp. Also listed as HI 297. Spring semester.

PO 327 CONTEMPORARY EUROPE (3)

Forces, individuals, events that have shaped 20th-century Europe. Special emphasis on the interaction between Europe and the non-Western world. Also listed as HI 324. Spring semester.

PO 334 GENDER, POLITICS AND LAW (3)

Issues related to gender in American political history. Theoretical foundation of the women's movement; current political conflict related to gender in workplace, family, and society. Also listed as HI 334. Fall semester, odd years.

PO 340 CONTEMPORARY AFRICA (3)

Recent colonial and independence history of principal African countries. Traditional setting, cultural change, modern philosophies of political and economic development. Also listed as HI 340. Spring semester.

PO 341 CONTEMPORARY SOUTH AFRICA (3)

Analysis of the history, politics, and religion of this strife-torn region of the African continent. Emphasis on the stress and conflicts between the Africans, the British, and the Afrikaners in the early years and on recent attempts to dismantle the apartheid system. Also listed as HI 341. Jan Term 1997 in South Africa.

PO 346 CONTEMPORARY CHINA AND EAST ASIA (3)

Interpretation of recent events in China, Japan, Taiwan, and Korea. Chinese revolution of 1911, warlord era in China, Japanese militarism, Communist revolution on the mainland, Japanese invasion of China, American occupation of Japan, normalization in China, Japan's economic ascendancy included. Also listed as HI 346. Fall semester.

PO 353W WORLD ORDER STUDIES (3)

Progress of people in organizing beyond national borders; prospects for a world community based on world law. Advanced study in international relations. Jan Term, odd years.

PO 365W AMERICAN CONSTITUTIONAL LAW (3)

Examination of key Supreme Court decisions involving separation of powers, national regulation of the economy, church and state, civil rights and civil liberties. Prerequisite: PO 102. Fall semester.

PO 366 MODERN RUSSIA AND THE SOVIET UNION (3)

Challenges to tsarist authority after 1855, rise of revolutionary agitation, adaptation of Marxism to Russian life and culture, history and politics of the Soviet system, transformation of the arts to serve the state, dissident voices, US-USSR relations. Also listed as HI 366. Spring semester, alternate years.

PO 423W MARXISM AND THE SOCIALIST WORLD (3)

Context and development of Marx's critique of capitalism. Later interpretations and application of Marx's theories in a variety of revolutions from those of the Soviet Union, China, Yugoslavia and Cuba to current upheavals in the socialist world. Also listed as HI 423. Fall semester.

PO 425W THE THIRD WORLD: POLITICAL CHANGE (3)

Models chosen by third-world nations to achieve equality in the modern world. Africa, Southeast Asia. Poor-nation problems. Developmental choices, response to world trade, human values in urbanization and technology. Spring semester.

PO 433W WESTERN POLITICAL THOUGHT (3)

Major turning points of Western political thought from Plato to the present. Spectrum from democratic thinkers to totalitarian extremists. Spring semester, even years.

PO 434W AMERICAN POLITICAL THOUGHT (3)

Principal ideas influencing American political institutions and policies. Rights theories, the influence of faith and the development of our law are considered. Spring semester; odd years.

PO 445 REVOLUTION IN HISTORY (3)

Theory and history of revolution in Western Civilization. The "Great Rebellion" in England and revolutions in America, France, Russia, China. Contemporary revolutionary movements in Latin America, Africa and Asia. Offered upon sufficient demand. Also listed as HI 445.

PO 463 AMERICAN FOREIGN POLICY (3)

Major themes, debates, patterns, and precedents of American foreign policy emphasizing 20th-century diplomatic issues. Offered annually. Also listed as HI 463.

PO 498W SENIOR SEMINAR (2-3)

In-depth simulation of problem-solving. Skills for graduate study and/or management positions in domestic and international affairs. Fall semester.

PO 499 SENIOR HONORS THESIS (3)

Researching and writing of a major undergraduate thesis. By approval. May be repeated for credit to a maximum of 6 semester credits. Also listed as HI 499.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

MATHEMATICS AND COMPUTER SCIENCE

FACULTY: Rod Hansen (Chair), Lyle Cochran, Martha Gady, Howard Gage, Kent Jones

REQUIREMENTS FOR A MATHEMATICS MAJOR — B.A. (39)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 316	Discrete Mathematics	3
MA 330	Linear Algebra	3
MA 356	Elementary Probability and Statistics	3
CS 171	Computer Science I	3
CS 172	Computer Science II	3

Four of the following upper-division courses 12

MA 314W	Introduction to Operations Research
MA 340	Advanced Calculus I
MA 341	Advanced Calculus II
MA 350	Numerical Analysis
MA 360	Number Theory

MA 365*	Modern Geometry
MA 410	Algebraic Structures
MA 430W	Graph Theory and Combinatorics
MA 456	Mathematical Statistics
MA 481	Topics Seminar

Required for teacher certification:

MA 421W	Methods of Teaching Secondary School Mathematics	3
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*This course is required for students seeking teacher certification.

REQUIREMENTS FOR A MATHEMATICS MAJOR — B.S. (51-53)

MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 316	Discrete Mathematics	3
MA 330	Linear Algebra	3
MA 340	Advanced Calculus I	3
MA 341	Advanced Calculus II	3
MA 430W	Graph Theory and Combinatorics	3
CS 171	Computer Science I	3
CS 172	Computer Science II	3

Four of the following upper-division courses 12

MA 314W	Introduction to Operations Research
MA 350	Numerical Analysis
MA 360	Number Theory
MA 365*	Modern Geometry
MA 410	Algebraic Structures
MA 456	Mathematical Statistics
MA 481	Topics Seminar

Two courses as follows: 6-8

PS 151 and 153	General Physics I and II, or
EC 210 and 211	Microeconomics and Macroeconomics

Required for teacher certification:

MA 421W	Methods of Teaching Secondary School Mathematics	3
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*This course is required for students seeking teacher certification.

REQUIREMENTS FOR A COMPUTER SCIENCE MAJOR — B.A. (54)

(Business Option)

CS 171	Computer Science I	3
CS 172	Computer Science II	3
CS 271	Object-Oriented Programming	3
CS 278	Computer Organization and Assembler Programming	3
CS 373	Data Structures and Algorithm Analysis	3
CS 374	Database Management	3
CS 472W	Software Engineering	3
CS 475	Operating Systems	3
BU 230	Financial Accounting	4
BU 231	Managerial Accounting	4
BU 332	Managerial Accounting and Control	3
BU 374W	Principles of Management	3
BU 376	Operations Management	3
EC 210	Microeconomics	3
EC 211	Macroeconomics	3

One of the following:	4
MA 108 Finite Math for Social Sciences	
MA 110 Calculus I	
MA 356 Elementary Probability and Statistics	3
Recommended:	
CS 170 Introduction to Computer Information Systems	3

REQUIREMENTS FOR A COMPUTER SCIENCE MAJOR — B.S. (50)

CS 171 Computer Science I	3
CS 172 Computer Science II	3
CS 271 Object-Oriented Programming	3
CS 278 Computer Organization and Assembler Programming	3
CS 373 Data Structures and Algorithm Analysis	3
CS 374 Database Management	3
CS 472W Software Engineering	3
CS 475 Operating Systems	3
MA 110 Calculus I	4
MA 111 Calculus II	4
MA 330 Linear Algebra	3
One of the following:	3
MA 430W Graph Theory/Combinatorics	
MA 410 Algebraic Structures	
PS 151 General Physics I	4
PS 153 General Physics II	4
PS 273 Electronics	4
Recommended:	
MA 210 Calculus III	
MA 350 Numerical Analysis	
MA 356 Probability and Statistics	

REQUIREMENTS FOR A MATHEMATICS MINOR (21)

MA 110 Calculus I	4
MA 111 Calculus II	4
MA 210 Calculus III	4
MA 330 Linear Algebra	3
MA 356 Elementary Probability and Statistics	3
CS 171 Computer Science I	3

REQUIREMENTS FOR MATHEMATICS AS A SECOND TEACHING FIELD (4-12 endorsement) (23)

MA 110 Calculus I	4
MA 111 Calculus II	4
MA 316 Discrete Mathematics	3
MA 356 Elementary Probability and Statistics	3
MA 365 Modern Geometry	3
One of the following:	3
MA 421W Methods of Teaching Secondary School Mathematics	
ED 421 Methods of Teaching Elementary Schools	
CS 170 Introduction to Computer Information Systems	3

REQUIREMENTS FOR A COMPUTER SCIENCE MINOR (19)

CS 171 Computer Science I	3
CS 172 Computer Science II	3
CS 278 Computer Organization/Assembler Programming	3
CS 373 Data Structures and Algorithm Analysis	3
One of the following:	4
MA 108 Finite Math for Social Sciences	
MA 110 Calculus I	
MA 112 Calculus for Social Sciences	
MA 356 Elementary Probability and Statistics	3

MATHEMATICS COURSES

MA 064 ARITHMETIC REVIEW (2)

Self-paced tutorial course for students needing to learn (or relearn) the arithmetic skills necessary for other coursework. Whole numbers, integers, fractions, decimals, percents, ratios, proportions. Credit not applicable toward total credit graduation requirements. Fall and spring semesters.

MA 094 INTRODUCTION TO ALGEBRA (2)

Self-paced tutorial course for students needing to learn (or relearn) the algebraic skills necessary for other coursework. Linear equations, polynomials, graphing, and systems of linear equations. Credit not applicable toward total credit graduation requirement. Fall and spring semesters.

MA 101 INTERMEDIATE ALGEBRA (3)

For those desiring more preparation for MA 108 or MA 109. Fundamental algebraic operations, factoring, fractions, exponents, and radicals. Does not apply toward the Math/Science general requirement. Fall and spring semesters.

MA 107 BASIC CONCEPTS IN MODERN MATHEMATICS (3)

Mathematics for the liberal arts student. Topics include mathematical patterns and reasoning, computing, probability, financial mathematics, informal geometry, and the nature of numbers. Periodic Summer and Jan Term.

MA 108 FINITE MATHEMATICS FOR SOCIAL SCIENCES (3)

A study of mathematics of finance, systems of linear equations, matrices, and linear programming with emphasis on applications to business, economics, and social sciences. Prerequisite: MA 101 or equivalent. Fall and spring semesters.

MA 109 ALGEBRA AND TRIGONOMETRY (4)

Polynomial, rational, exponential, logarithmic and trigonometric functions. A preparation for Calculus I. Prerequisite: MA 101 or equivalent. Fall and spring semesters.

MA 110 CALCULUS I (4)

Functions, limits, continuity, differentiation, and introductory integration for functions of a single variable. Prerequisite: MA 109 or equivalent. Fall and spring semesters.

MA 111 CALCULUS II (4)

A continuation of topics in MA 110. Applications of integration, transcendental functions, techniques of integration, and infinite series. Prerequisite: MA 110. Fall and spring semesters.

MA 112 CALCULUS FOR SOCIAL SCIENCES (4)

A study of limits, continuity, derivatives, integrals, and partial derivatives with emphasis on applications to business, economics, and social sciences. Prerequisite: MA 108 or permission. Summers.

MA 196 TOPICS IN MATHEMATICS (1-3)

Selected lower-division topics in mathematics. Periodic offering.

MA 210 CALCULUS III (4)

Infinite series and multivariable calculus, including partial differentiation, vector analysis, multiple integrals. Prerequisite: MA 111. Fall semester.

MA 212 DIFFERENTIAL EQUATIONS (3)

Introduction to ordinary differential equations, their use in mathematical models in the physical, biological, social sciences, and economics. Continuous and numerical solutions. Prerequisites: MA 210 and CS 171 or permission. Spring semester; even years.

MA 221 THEORY OF ARITHMETIC (4)

For the prospective elementary teacher. Development of number systems, vocabulary, and symbolism in the present-day usage of arithmetic, algebra, statistics, and geometry. Does not apply toward the Math/Science general requirement for graduation except for candidates for elementary teaching certificates. Prerequisite: MA 064 and MA 094 or permission. Fall and spring semesters.

MA 314W INTRODUCTION TO OPERATIONS RESEARCH (3)

Linear programming, allocation and transportation problems, network models, scheduling/inventory models, Markov processes, queuing. Prerequisites: MA 111 and CS 171; also MA 356 is recommended. Jan Term, odd years.

MA 316 DISCRETE MATHEMATICS (3)

An introduction to the concepts of sets, logic, relations, functions, combinatorics, graph theory, and boolean algebra. Prerequisite: MA 110. Jan Term.

MA 330 LINEAR ALGEBRA (3)

Vector spaces, linear transformations, matrices, determinants, Euclidean spaces, systems of equations, eigenvalues. Prerequisites: MA 111 and CS 171. MA 316 strongly recommended. Fall semester.

MA 340, 341 ADVANCED CALCULUS I, II (3)

The real number system, elements of point set theory sequences and series, differentiation, integration, multiple integrals. Prerequisite: MA 210. MA 316 strongly recommended. Fall semester; even years; spring semester; odd years.

MA 350 NUMERICAL ANALYSIS (3)

Elementary discussion of errors, polynomial interpolation, quadrature, linear systems of equations, solutions of non-linear equations. Numerical differentiation, integration, solutions to differential equations. Prerequisites: MA 210 and CS 172. MA 316 strongly recommended. Spring semester; even years.

MA 356 ELEMENTARY PROBABILITY AND STATISTICS (3)

Descriptive statistics, probability, probability distributions, hypothesis testing, confidence intervals, correlation, regression. Prerequisite: MA 101 or permission. Fall and spring semesters.

MA 360 NUMBER THEORY (3)

Divisibility, congruence, prime numbers, diophantine equations, quadratic reciprocity, number theoretic functions studied. Emphasis on mathematics education and problem solving. Prerequisite: MA 111. CS 171 and MA 316 strongly recommended. Fall semester; even years.

MA 365 MODERN GEOMETRY (3)

Sets and propositions, postulational systems, affine geometry, Euclidean and non-Euclidean geometry. Required for high school mathematics teachers. Prerequisite: permission of department chair. MA 316 strongly recommended. Spring semester.

MA 410 ALGEBRAIC STRUCTURES (3)

Introduction to logic, sets, relations, functions, groups, rings, fields, and vector spaces. Mathematics education and computing applications studied. Prerequisites: MA 111, MA 316, and CS 171. Fall semester; odd years.

MA 421W METHODS OF TEACHING SECONDARY SCHOOL MATHEMATICS (3)

Introduction to the methods of teaching and content of secondary mathematics. Current issues and trends are discussed. Instructional materials developed. Prerequisite: MA 111. Jan Term, even years.

MA 430W GRAPH THEORY AND COMBINATORICS (3)

Paths and circuits, trees, planarity and duality, coloring of graphs, permutations and combinations, multinomial theorem, generating functions, difference equations, principle of inclusion and exclusion, mobius function, Poly's theorem. Prerequisites: MA 111, MA 316, and CS 171. Spring semester; even years.

MA 456 MATHEMATICAL STATISTICS (3)

A theoretical study of probability, random variables and their distributions, confidence intervals, and tests of hypothesis, regression, and correlations. Prerequisites: MA 210, MA 356 and CS 171. MA 316 strongly recommended. Spring semester; odd years.

MA 481 TOPICS IN MATHEMATICS (3)

Mathematical topics of current interest to the mathematics faculty and advanced students. May be repeated for credit. Prerequisite: permission of department chair. Periodic offering.

COMPUTER SCIENCE COURSES

CS 170 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS (3)

Basic concepts of computers and information processing. Current application of computers in business, education, science, and medicine. Impact of computers on issues of privacy, employment, leisure, and health care. Problem solving using software tools including word processors, spreadsheets, and data bases. Fall and spring semesters.

CS 171 COMPUTER SCIENCE I (3)

Introduction to problem solving, abstraction and design using the C++ language. Special emphasis on development of algorithms and writing programs in a structured form. Prerequisite: MA 108 or MA 109 or permission. Fall semester.

CS 172 COMPUTER SCIENCE II (3)

Problem solving, abstraction and design using the C++ language. Special emphasis on pointer variables, recursion, and file handling. Introduction to data structures (including stacks, queues, linked lists, and binary trees), classes and object-oriented programming. Prerequisite: CS 171. Spring semesters.

CS 196 TOPICS IN COMPUTER SCIENCE (1-3)

Selected lower-division topics in computer science. Periodic offering.

CS 271 OBJECT-ORIENTED PROGRAMMING (3)

Introduction to object-oriented programming and object-oriented design using the programming language C++. Prerequisite: CS 172. Jan Term.

CS 278 COMPUTER ORGANIZATION AND ASSEMBLER PROGRAMMING (3)

Computer organization and the structure of digital computers. Work in MASM assembler language programming on a PC computer. Prerequisite: CS 172. Fall semester.

CS 373 DATA STRUCTURES AND ALGORITHM ANALYSIS (3)

An introduction to stacks, queues, recursion, linked lists, trees, graphs, sorting, and searching. Emphasis on algorithm analysis. Prerequisite: CS 172. Fall semester; odd years.

CS 374 DATABASE MANAGEMENT (3)

Storage media and devices, fundamental file structure and processing, file management systems, database management systems. Prerequisite: CS 172. Fall semester; even years.

CS 396 TOPICS IN COMPUTER SCIENCE (1-3)

Selected upper-division topics in Computer Science. Periodic offering.

CS 472W SOFTWARE ENGINEERING (3)

Introduction to software system analysis and design. Software life cycle, structured analysis, structured design, software tools, software documentation, software maintenance. Prerequisite: CS 172. Spring semester; even years.

CS 475 OPERATING SYSTEMS (3)

Introduction to basic operating systems concepts. Memory management, scheduling algorithms, resource allocation, file systems, security, concurrent processes. Prerequisite: CS 278 or permission. Spring semester; odd years.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

MILITARY SCIENCE/ ROTC

Whitworth students may elect to participate in Army ROTC through a cross-enrollment program with Gonzaga University. Some coursework requires travel to Gonzaga, located six miles south of the Whitworth campus.

The ROTC program is a cooperative effort between the U.S. Army and cooperating colleges. It provides training and qualification for leadership positions in either the Regular Army, the U.S. Army Reserve, or the Army National Guard. Students may earn a commission as an Army Second Lieutenant while achieving a college degree in an academic discipline of their own choosing. Non-scholarship cadets incur no obligation during their first two years of ROTC and are not members of the U.S. Army.

The objectives of the program are to prepare qualified college men and women for the challenge of serving as commissioned officers in the Army. To that end, the program stresses service to country and community through an enhancement of leadership competencies.

The program has been designed to meet the country's requirement for Army officers. It is, therefore, multifaceted with distinctive sub-elements to meet individual needs and requirements. For example, ROTC is traditionally a four-year program, but individuals with prior service, members of reserve or National Guard units, and summer basic camp attendees may complete the program in only two years. Normally, all students enroll in one Military Science course and Leadership Laboratory each fall and spring. Physical fitness of cadets is closely monitored. The program consists of two phases: the Basic Course (lower division), normally taken during the freshman and sophomore years or obtained through advanced placement credit, and the Advanced Course (upper division).

Basic Course: All full-time students are eligible for enrollment in Military Science basic courses. The requirements for completion of the Basic Course are MI 101, 102, 201, and 202. Placement credit for the Basic Course may be granted to students who have completed initial entry training in the Armed Forces, three years of Junior ROTC in high school, or ROTC Basic Camp.

Advanced Course: Upon completion of the Basic Course, cadets become eligible for entrance into the Advanced Course. Eligible cadets must apply and be selected prior to enrollment in the Advanced Course, which con

sists of 12 semester credits of classroom instruction (MI 301, 302, 401, 402), leadership training and military field training during the junior and senior years.

FINANCIAL ASSISTANCE, SCHOLARSHIPS

Each Advanced Course student receives an allowance of \$150 a month for up to ten months a year for two years. There are also cooperative programs with the Army National Guard and Army Reserve that will pay Advanced Course cadets approximately \$1,500 per year.

Freshman- and sophomore-level students may compete on a national basis for Army ROTC Scholarships. These scholarships pay for tuition and fees, plus an allowance for books and a subsistence allowance of \$150 per month for up to ten months of each school year. A student need not be enrolled in ROTC to be eligible to compete for two- or three-year scholarships. High school seniors interested in applying for a four-year scholarship must submit application by November 15th of their senior year.

FEES, UNIFORMS, AND TEXTS

A lab fee is the only fee associated with participation in the ROTC program. Textbooks, uniforms, and other equipment are furnished without charge. All government property issued to the student is accountable and must be returned.

EXTRACURRICULAR ACTIVITIES

Ranger Club: designed to provide its members with adventure training in such subjects as patrolling, rappelling, rafting, and cross-country navigation/movement.

Summer Military Training: Advanced Course and select Basic Course cadets may participate in confidence-building programs such as Air Assault School, Airborne School, and Cadet Troop Leadership Training.

Ranger Challenge: team activity affording opportunities for intercollegiate competition in selected military skills. Primary emphasis is on physical conditioning, coordination and speed.

MILITARY SCIENCE COURSES

MI 101 ADVENTURES IN LEADERSHIP/OUTDOOR SKILLS (1-3)

A non-technical introduction to military science. Includes water survival, rafting, first aid, CPR, land navigation, communications and outdoor safety.

MI 101L LEADERSHIP LAB (1)
Practical application of MI 101. Fundamentals of the professional soldier. Instruction and application of such skills as marching, tac-

tics, care and maintenance of equipment, and land navigation.

MI 102 ADVENTURE IN LEADERSHIP/ WINTER SURVIVAL (1-3)

A practical application course designed to acquaint students with the principles of surviving in a cold climate. Includes basic survival, cold weather indoctrinating, building shelters, and navigation techniques.

MI 102L LEADERSHIP LAB (1)

A continuation of MI 101L, this course is also a practical application which complements MI 102.

MI 201 PSYCHOLOGY OF INFLUENCE THROUGH LEADERSHIP (3)

The role of leadership and management in the context of a small organizational element. Motivation, handling disruptive influences, counseling skills, leadership styles, group dynamics other related topics. Self-identification of student strengths and weaknesses as leaders and managers, through participation in the leadership assessment process.

MI 201L LEADERSHIP LAB (1)

Practical application course complementing MI 201. Fundamentals of the professional soldier. Instruction and application of such skills as land navigation, first aid, use of various items of military equipment (including radio communications equipment) and tactics. Prerequisite: permission.

MI 202 BASIC MILITARY TACTICS/TECHNIQUES (3)

Military tactics and general knowledge subjects basic to contemporary small unit operations. Equipment displays, demonstrations, hands-on learning exercises. Prerequisite: permission.

MI 202L LEADERSHIP LAB (1)

Practical application course complementing MI 202. Prerequisite: permission.

MI 301, 302 GENERAL MILITARY SCIENCE I, II (3)

A two-term course of study in which the student becomes familiar with principles applicable to tactical situations. Map reading, land navigation, small-unit offensive/defensive tactics and operations. ROTC Advanced Camp preparatory training. MI 301 is prerequisite to MI 302.

MI 301L, 302L LEADERSHIP LAB (1)

Practical application labs complementing MI 301 and MI 302. Fundamentals of the professional soldier. Instruction and application of such skills as land navigation, small unit tactics, and development of leadership skills. Prerequisite: MI 301, 302

MI 401, 402 GENERAL MILITARY SCIENCE III, IV (3)

A two-term course of study. Management and leadership principles applicable to military elements. Types of organizations, fundamentals of staff coordination/operations. Emphasis on military justice, logistics, and training management. MI 402 includes a series of classes on personal affairs management and standards of conduct required for commissioned officers. MI 302 is prerequisite to MI 401. MI 401 is prerequisite to MI 402.

MI 401L, 402L LEADERSHIP LAB (1)
 Practical application labs complementing MI 401 and MI 402. Fundamentals of the professional small-unit leader. Students instruct other cadets in the application of such skills as land navigation, first aid, use of military equipment and small-unit tactics. Prerequisite: MI 401, 402.

MI 403 GENERAL MILITARY SCIENCE V (3)
 A continuation of MI 402; primarily for engineering and science majors whose degrees require an additional semester or academic year to complete. The cadets facilitate the organization of the battalion staff while practicing their own leadership techniques. Prerequisite: MI 402 and permission.

MI 190, 191, 290, 291, 390, 391, 490, 491 (1-3)
DIRECTED STUDIES: INDEPENDENT STUDIES
 Designed to provide flexibility in scheduling class times and/or credit load. Variable credit

MODERN LANGUAGES

FACULTY: Sonja Hokanson (Chair), Kathy Brainard, Elisabeth Buxton, Pierrette Christianne, Joseph Lovano

ALL 400-level courses are taught in the native language (French, German, Spanish).

REQUIREMENTS FOR A MAJOR IN FRENCH or SPANISH — B.A. (32)

(32 semester credits beyond the elementary level)
 FR/SN 201 Intermediate French/Spanish I 4
 FR/SN 202 Intermediate French/Spanish II 4
 FR/SN 307W French/Spanish Conv/Comp/Grammar 3
 FR/SN 330 Intensive Oral French/Spanish 3
 Two of the following: 6
 FR/SN 409W Survey of French/Spanish Literature
 FR/SN 410W Survey of French/Spanish American Literature
 FR 419W French Culture and Civilization
 FR 420W French Culture and Civilization (Francophone world)
 SN 419W Latin American Culture and Civilization
 SN 420W Spanish Culture and Civilization

Four advisor-approved, upper-division French/Spanish courses, including at least three taken at a French or French Canadian university or a Spanish university in Spain or Latin America; or at least two courses taught by a professor other than the full-time Whitworth professor in French or Spanish. 12

REQUIREMENTS FOR A MAJOR IN FRENCH EDUCATION or SPANISH EDUCATION — B.A. (35)

(K-12 endorsement - 35 semester credits beyond the elementary level)

FR/SN 201 Intermediate French/Spanish I 4
 FR/SN 202 Intermediate French/Spanish II 4

FR/SN 307W French/Spanish Conv/Comp/Grammar 3
 FR/SN 308W French/Spanish Conv/Comp/Grammar 3
 FR/SN 330 Intensive Oral French/Spanish 3
 At least one of the following: 3-Variable
 FR/SN 409W Survey of French/Spanish Literature
 FR/SN 410W Survey of French/Spanish American Literature
 FR 419W French Culture and Civilization
 FR 420W French Culture and Civilization (Francophone world)
 SN 419W Latin American Culture and Civilization
 SN 420W Spanish Culture and Civilization

At least three advisor-approved, upper-division French/Spanish courses, taken at: 1) a French or French Canadian university or a Spanish university in Spain or Latin America; or 2) at least two of the three courses taught by a professor other than the full-time Whitworth professor in French or Spanish 9
 ML 442 Methods for Teaching Languages: K-12 3
 EL 453 Introduction to Linguistics 3

REQUIREMENTS FOR A MINOR IN FRENCH, GERMAN, or SPANISH (17)

Five courses beyond the elementary level 17

REQUIREMENTS FOR A SECOND TEACHING FIELD IN FRENCH, or SPANISH (K-12 endorsement) (29)

FR/SN 201 Intermediate French/Spanish I 4
 FR/SN 202 Intermediate French/Spanish II 4
 FR/SN 307W French/Spanish Conv/Comp/Grammar 3
 FR/SN 308W French/Spanish Conv/Comp/Grammar 3
 One of the following: 3
 FR/SN 409W Survey of French/Spanish Literature
 FR/SN 410W Survey of French/Spanish American Literature
 One of the following: 3
 FR/SN 419W French/Spanish Culture and Civilization
 FR/SN 420W French/Spanish Culture and Civilization
 One of the following: 3
 FR/SN 230/330* Intensive Oral French/Spanish
 Approved upper-division course
 ML 442 Methods for Teaching Languages: K-12 3
 EL 453 Intro to Linguistics 3
 *Recommended, especially for students who have not studied abroad.

REQUIREMENTS FOR A SECOND TEACHING FIELD IN GERMAN (25)

GR 101 Elementary German I 4
 GR 102 Elementary German II 4
 GR 201 Intermediate German I 4
 GR 202 Intermediate German II 4
 GR 307W German Conv/Comp/Grammar 3
 GR 308W German Conv/Comp/Grammar 3
 ML 442 Methods for Teaching Languages: K-12 3
 EL 453 Introduction to Linguistics 3
 Recommended: an additional upper-division course.

MODERN LANGUAGE COURSES

ML 442 METHODS FOR TEACHING LANGUAGES, K-12 (3)
Study and application of various aspects of foreign language teaching. Testing, performance objectives, teaching of culture, structure and drill, programmed learning. Course includes methods and observation of language teaching at both elementary and secondary levels. Fall semester, even years.

CHINESE

CN 101, 102 ELEMENTARY CHINESE (4)
Introduction to the fundamentals of Standard Chinese, emphasizing all four language skills: speaking, listening, reading, and writing. Systematic methods and various communication activities are employed for basic training in pronunciation, grammatical structures, conversation on daily topics, and the writing system. CN 101 is prerequisite to CN 102. CN 101 fall semester; CN 102 spring semester.

CN 201, 202 INTERMEDIATE CHINESE (4)
Second-year course in modern Chinese which continues to develop proficiency in all four language skills: speaking, listening, reading, and writing. In addition to the basic conversational topics, students will be taught to use the dictionary, be exposed to both traditional and simplified characters, and read and write longer discourses ranging from personal letters to short narratives. CN 101, CN 102 are prerequisites to CN 201. CN 201 is prerequisite to CN 202. CN 201 fall semester, CN 202 spring semester.

FRENCH

FR 101 ELEMENTARY FRENCH (4)
Beginning French with emphasis on conversation. Basic grammar and vocabulary are presented. The text concentrates on contemporary French culture; for example, two chapters explore the life of students in France. Fall semester.

FR 102 ELEMENTARY FRENCH (4)
Continuation of French 101 with greater concentration on listening, speaking, reading, and writing. Class taught mainly in French. Prerequisite: FR 101. Spring semester.

FR 111 INTENSIVE ELEMENTARY FRENCH (4)
A course designed for those students who have had an experience with the language. Basic structure and sound system taught. Students will cover one year of the language in one semester. This course meets the college's one-year language requirement. Fall and spring semesters.

FR 130/230 EVERYDAY FRENCH (3)
No English allowed. Students immerse themselves in the language in a free, non-structured situation. Shopping, meals, conversation. Class offered in a home situation: small groups, games, movies, songs, cooking, skits. A fun, intensive class (3 hours minimum per day), which allows you to know that you can speak French. Required of beginning language students going on the tour. FR 130 may be used to fulfill the foreign language requirement if taken before a study tour to France. In all other cases a student must complete FR 102. Prerequisite: FR 101 (for 130); 201 (for 230). Offered every third Jan Term before study tour to France.

FR 201 INTERMEDIATE FRENCH (4)
Gain increased proficiency in oral and written expression through a detailed review and expansion of grammar study and vocabulary. Improve reading comprehension skills and gain cultural and literary knowledge through authentic texts representing modern French and Francophone literature. Current topics in French culture are presented through examples in the text taken from magazines, movies and television, and through current popular music. Class taught in French. Prerequisite: FR 101 and FR 102 or placement by exam. Fall semester.

FR 202 INTERMEDIATE FRENCH (4)
FR 202 is a continuation of FR 201 to develop fluency in the language. Class taught in French. Prerequisite: FR 201. Spring semester.

FR 307W FRENCH CONVERSATION, COMPOSITION AND REVIEW OF GRAMMAR (3)
A review of grammar with an emphasis on conversation. French customs, mannerisms, colloquialisms, as well as current French issues and points of view, are explored through readings, followed by conversations and discussions. Grammar is reviewed as a basis for improving writing skills. Literary excerpts are also studied. Class is conducted in French. Prerequisite: FR 202 or equivalent. Fall semester.

FR 308W FRENCH CONVERSATION, COMPOSITION AND REVIEW OF GRAMMAR (3)
Continuation of French 307W. Grammar review and conversation on French cultural topics and current social and political news. Readings on French culture and the arts in France. This class is a good preparation for the content offered in the following level of French studies. Taught in French. Prerequisite: FR 307W or equivalent. Spring semester.

FR 314 FRENCH LANGUAGE AND CULTURE (5)
Introductory course during the three-month French Study Tour. Intensive language study combined with visits and interviews with local residents to learn the history, culture, politics of the region and of the country. Prerequisite: FR 102, 130, or equivalent. Every third spring semester (1998 and 2001).

FR 324 LITERATURE AND CULTURE OF FRANCE (5)
Focus on French classicism and romanticism. Museum visits. Part of French Study Tour. Every third spring semester (1998 and 2001).

FR 330 INTENSIVE ORAL FRENCH (3)
No English allowed. Intensive conversation, non-structured situation. Readings on events of the 20th century in France leading to discussions. Class offered in a home situation: conversation, meals, games, movies, songs, cooking, skits. A fun, intensive class (3 hours minimum per day) which allows you to know that you do speak French. Vocabulary quizzes and final exam on readings. Prerequisite: FR 201. Jan Term.

FR 381 ART IN FRANCE (5)
Major movements and artists of France. Emphasis on Romantic through Contemporary periods, as found in Paris, Nice, and surrounding area. Museum, gallery, studio visits offer opportunity for students to view and study first-hand original works and the environment that brought them into existence. Part of the French Study Tour. Spring semester every third year (1998 and 2001).

FR 409W SURVEY OF FRENCH LITERATURE (3)

Study of development of French thought, history, and culture through literature from the Middle Ages through the 18th century. The course covers literary developments beginning with the "chansons de geste," courtly and satiric literature of the Middle Ages, and continuing with the literature of the Renaissance, Classicism, and the Age of Enlightenment. Representative texts are from authors such as Villon, Rabelais, Ronsard, Montaigne, Pascal, Moliere, Corneille, Racine, Voltaire, and Rousseau. Texts are viewed within the context of important historical, sociological, and cultural developments during these centuries. Conducted in French. Lecture and discussion. Prerequisite: FR 308W. Fall semester; odd years.

FR 410W SURVEY OF FRENCH LITERATURE (3)

Study of development of French thought, history, and culture through literature from the 19th and 20th centuries. The course covers the major literary movements of romanticism, realism, symbolism, and surrealism, as well as the development of the novel in the 20th century and influences of absurdist and existential thought. Representative texts are from authors such as Hugo, Balzac, Stendhal, Dumas, Flaubert, Zola, Baudelaire, Verlaine, Rimbaud, Proust, Gide, Malraux, Sartre, Camus, Beckett, and Ionesco. Texts are viewed within the context of important historical, sociological and cultural developments during these centuries. The course is conducted in French. Method of instruction is lecture and discussion. Prerequisite: FR 308W. Spring semester; even years.

FR 419W FRENCH CIVILIZATION AND CULTURE (3)

Political, social, intellectual, and artistic development of French culture from earliest times to the present day. Taught in French. Prerequisite: FR 308W. Fall semester; even years.

FR 420W FRENCH CIVILIZATION AND CULTURE (3)

Continuation of French civilization and culture and French culture in the Francophone world: Africa, Canada, and the Caribbean. Taught in French. Prerequisite: FR 308W. Spring semester; odd years.

FR 421W LITERARY GENRES (3)

French literature through various genres: plays, poetry, short stories, novels. Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 422W 18TH-CENTURY FRENCH LITERATURE (3)

The Age of Reason, dominated by the "esprit philosophique": Montesquieu, Voltaire, Diderot, Rousseau. Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 423W 20TH-CENTURY FRENCH LITERATURE (3)

The major literary trends and authors of this century: Proust, Gide, Anouilh; surrealism in poetry, existentialism (Sartre, Camus); theatre of the absurd (Ionesco, Beckett); the new novel (Robbe-Grillet). Taught in French. Prerequisite: FR 308W. Periodic offering.

FR 424 FRENCH PHONETICS AND APPLIED LINGUISTICS (3)

Pronunciation, intonation, rhythm of French language. Taught in French. Prerequisite: FR 202. Periodic offering.

FR 426W 19TH-CENTURY FRENCH NOVEL (3)

Representative French authors of the 19th century: Hugo, Flaubert, Balzac, Zola. Taught in French. Prerequisite: FR 308W. Periodic offering.

GERMAN**GR 101 ELEMENTARY GERMAN (4)**

Basic grammar. Fundamentals of pronunciation, reading. Introduction to cultural topics. Fall semester.

GR 102 ELEMENTARY GERMAN (4)

Basic grammar. Development of skills in reading, listening, speaking, and writing. Discussion of cultural topics. Prerequisite: GR 101. Spring semester.

GR 130 EVERYDAY GERMAN (3)

Students speak only German in a non-structured situation. Jan Term.

GR 230 EVERYDAY GERMAN (3)

Continuation of GR 130. Jan Term.

GR 330 EVERYDAY GERMAN (3)

Continuation of GR 230. Jan Term.

GR 201 INTERMEDIATE GERMAN (4)

Grammar review as framework for conversation and composition. Current interest topics; discussion of cultural aspects. Prerequisites: GR 101, GR 102, or placement by exam. Fall semester.

GR 202 INTERMEDIATE GERMAN (4)

Continuation of GR 201 to develop fluency in the language. Written compositions and readings of medium difficulty. Prerequisite: GR 201. Spring semester.

GR 307W GERMAN CONVERSATION, COMPOSITION, AND ADVANCED GRAMMAR (3)

Short literary, cultural, and historical works; topical issues as springboard for composition and discussion. Grammar. Fall semester.

GR 308W GERMAN CONVERSATION, COMPOSITION, AND ADVANCED GRAMMAR (3)

Continuation of GR 307W. Prerequisite: GR 307W or equivalent. Spring semester.

GR 409W, 410W SURVEY OF GERMAN LITERATURE (3)

Study of development of German thought and culture through literature from the Middle Ages to the present. GR 410W concentrates on the 19th and 20th centuries. Taught in German. Periodic offering.

JAPANESE**JA 101,102 ELEMENTARY JAPANESE (4)**

First-year studies in the Japanese language, basic grammar, and introduction to the culture. JA 101 is prerequisite to JA 102. JA 101 fall semester, JA 102 spring semester.

JA 130 EVERYDAY JAPANESE (3)

Brief review of grammar, pattern structures, and vocabulary. Intensive conversation class using what the students learned in JA 101. Prerequisite: JA 101. Jan Term.

JA 201,202 INTERMEDIATE JAPANESE (4)

Second-year studies in the Japanese language. Reading, writing, grammar, culture, current issues. JA 101, JA 102 are prerequisites for JA 201. JA 201 is prerequisite to JA 202. JA 201 fall semester, JA 202 spring semester.

RUSSIAN

RU 101, 102 ELEMENTARY RUSSIAN (4)

First-year studies in the Russian language. Basic grammar and introduction to the culture. RU 101 is prerequisite to RU 102. RU 101 fall semester, RU 102 spring semester.

RU 201, 202 INTERMEDIATE RUSSIAN (4)

Second-year studies in the Russian language. Reading, writing, grammar. Culture, current issues. RU 101 and RU 102 are prerequisites to RU 201. RU 201 is prerequisite to RU 202. RU 201 fall semester, RU 202 spring semester.

RU 222 CONTEMPORARY RUSSIA (3)

Forces, individuals, events that have shaped Russia. Special emphasis on people's transition to new democratic system and market economy. Fulfills the Multicultural requirement. Fall and spring semesters.

SPANISH

SN 101, 102 ELEMENTARY SPANISH (4)

Basic structure and sound system, with emphasis on conversation. Contact with Spanish and Latin American cultures. SN 101 is prerequisite to SN 102. SN 101 fall semester, SN 102 spring semester.

SN 111 INTENSIVE ELEMENTARY SPANISH (4)

This course is designed for those students who have had an experience with the language. Basic structure and sound system taught. Students will cover one year of the language in one semester. This course meets the college's one-year language requirement. Fall and spring semesters.

SN 130/230/330 INTENSIVE ORAL SPANISH (3)

No English allowed. Students immerse themselves in the language in a free, non-structured situation. Meals, guests, conversation. During odd-numbered years this course will be offered in Antigua, Guatemala. Students may go on their own during even years by doing an independent study with a faculty supervisor. SN 130 may be used to fulfill the foreign language requirement if taken before a study tour to Central America. In all other cases a student must complete SN 102. Jan Term.

SN 201, 202 INTERMEDIATE SPANISH (4)

Detailed review of grammar, pattern structures, idioms. Discussion of Hispanic cultures, conversation, some composition. Prerequisites: SN 101, SN 102 for SN 201 or placement by exam. SN 201 is the prerequisite for SN 202. SN 201 fall semester, SN 202 spring semester.

SN 211 INTENSIVE INTERMEDIATE SPANISH (4)

Designed for students with experience in the language. Features of Spanish will be reviewed, reinforced, and practiced as a means to an end. Students will cover the intermediate level in one semester. Spring semester.

SN 307W, 308W SPANISH CONVERSATION, COMPOSITION, AND REVIEW OF GRAMMAR (3)

Readings, composition, discussion of contemporary Spanish literary cultural and historical works. Grammar review. SN 307W is the prerequisite for SN 308W. SN 307W Fall semester, SN 308W spring semester.

SN 409W, 410W SURVEY OF SPANISH LITERATURE (3)

Study of the development of Spanish thought and culture by evaluation of representative literary works. Fall semester, odd years; spring semester, even years.

SN 419W SPANISH AMERICAN CULTURE AND CIVILIZATION (3)

Contemporary Spanish-American culture through readings from a variety of fields. Historical survey from the earliest times to present. Spring semester, odd years.

SN 420W SPANISH CULTURE AND CIVILIZATION (3)

Historical survey of political, social, economic, religious, literary, and artistic life in Spain from the earliest times to present. Fall semester, even years.

SN 445W CONTEMPORARY LATIN AMERICAN LITERATURE (3)

Study of major Latin American writers starting with the "boom" — representative works of authors from different countries and different genres will be covered. Periodic offering.

SN 448W 19TH-CENTURY SPANISH LITERATURE (3)

Representative authors of the two literary movements of the 19th century: romanticism and realism. Larra, Duque de Rivas, Zorrilla, Galdos. Periodic offering.

SN 449W 20TH-CENTURY SPANISH LITERATURE (3)

Azorin, Unamuno, Pio Baroja, Benavente, etc. Authors and genres of the "Generation of 98." Periodic offering.

SN 451W GOLDEN AGE LITERATURE (3)

Major works from the Renacimiento and Barroco movements. Study of Lazarillo de Tormes, Lope de Vega, Tirso de Molina, Calderon de la Barca. Periodic offering.

SN 452W MIDDLE AGE SPANISH LITERATURE (3)

A study of the principal Middle Age works including theatre, poetry, and prose. Poema de Mio Cid, El Conde Lucanor, Libro de Buen Amor, etc. Periodic offering.

SN 453W COLONIAL LITERATURE (3)

Historical narrative and the fictional discourse into which it transformed itself. Poetry, other literary forms. Periodic offering.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

MUSIC

FACULTY: Richard Evans (Chair), R. Scott Adkins, Randi Ellefson, Daniel Keberle, Judith Schoepflin, Michael Young

Ensembles and private lessons: R. Scott Adkins (wind ensemble), Mark Alexander (string bass, jazz combo), Sylvia Baker (saxophone), Katharine Keen Beal (bell choir), Jeri Bentley (strings), Johanne Blank (voice), Jason Britton (guitar), Cheryl Carney (cello), Chris Cook (trumpet), Brent Edstrom (jazz piano), Randi Ellefson (voice, chamber singers, choir), Darcey Elliott (piano), Lynn Feller (bassoon), Marjory Halvorson (voice), Colleen Hunter (piano), Richard Hubbard (jazz saxophone), Del Hungerford (clarinet), Sheri Jacobson (flute), Daniel Keberle (trumpet, jazz ensemble, jazz choir), Todd Larson (string bass), David Matern (trombone), Darnelle Preston (voice), Paul Raymond (percussion), Judith Schoepflin (piano), Tamara Schupman (voice), David Stultz (jazz trombone), Keith Thomas (oboe), Rick Westerick (jazz percussion), Margaret Wilds (french horn), Michael Young (organ, composition)

REQUIREMENTS FOR A MUSIC MAJOR - B.A. (49-50)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 210	Music Theory III	3
MU 211	Ear Training III	1
MU 212	Music Theory IV	3
MU 213	Ear Training IV	1
MU 225	General Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
MU 383	Junior Recital	0-1
MU 192-492	Eight semesters of recital hours	0
Six semesters of private lessons (four semesters at the 100-200 level and two semesters at the 300-400 level)		6
Eight semesters of ensembles		8
Six semester credits of elective music courses		6
One of the following: (waived for piano students)		2
MU 141 Class Piano		
1 year private lesson in piano		

In addition to the requirements listed above, students may elect the following areas of emphasis:

EMPHASIS AREAS IN MUSIC CHURCH MUSIC (50)

Music major requirements less 6 semester credits of approved music courses		44
MU 405	History of Liturgy and Church Music	2
MU 407	Introduction to Church Music	2
MU 394	Church Music Practicum	2

COMPOSITION (55-57)

Music major requirements, less 6 semester credits of approved music courses		44
MU 410	Counterpoint	3
MU 432	Orchestration	3
Composition lessons at 300 and 400 levels		4
One of the following:		1-2
MU 220	Beginning Composition	
MU 341	Woodwind Techniques	
MU 342	Brass Techniques	
MU 331	String Techniques	
MU 332	Percussion Techniques	
MU 427	Advanced Conducting	
MU 443	Choral Techniques	
MU 383	Junior Recital (Optional half recital in junior year)	0-1
MU 483	Senior Recital (Full recital of original compositions in senior year)	0-2

JAZZ PERFORMANCE (58)

Music major requirements, less six semester credits of approved music courses		44
Four classical lessons (credits included in Music major requirements)		0
MU 161-461	Private Jazz Improvisation Lessons	6
MU 149-449	Class Jazz Combo	4
MU 206	Jazz In America (History)	3
MU 383	Junior Recital (1/3 classical, 2/3 jazz)	0
MU 483	Senior Recital (1/3 classical, 2/3 jazz)	0
Private Jazz Arranging Lessons		1
Junior and Senior Recital, 1/3 classical, 2/3 jazz		0
Jazz Instrumental Emphasis students must play in jazz ensemble every semester (MU 174-474, 8 credits).		
Jazz Vocal Emphasis students must sing in jazz choir every semester (MU 179-479, 8 credits).		
Electives: (recommended)		
MU 161-461	Private Jazz Piano Lessons (instrumentalists and vocalists)	
MU 348	Computer, Synthesizer, Sequencer	
Private Jazz Arranging second semester		
MU 161-461	Private Jazz Improvisation (additional lessons)	
MU 160-460	Private clarinet and flute lessons (for saxophone players)	

INSTRUMENTAL PERFORMANCE (54-55)

Music major requirements, less 6 semester credits of approved music courses		44
Double lessons at 300 and 400 levels		4
MU 416	Instrumental Music Literature	2
One of the following:		2
MU 149	Jazz Combo	
MU 170	Chamber Ensemble	
One of the following:		2-3
MU 206	Jazz in America	
MU 341	Woodwind Techniques	
MU 342	Brass Techniques	
MU 331	String Techniques	
MU 332	Percussion Techniques	
MU 404	Symphonic Literature	

MU 383	Junior Recital (credit contained in extra lessons)	0
MU 483	Senior Recital (credit contained in extra lessons)	0

ORGAN PERFORMANCE (56)

Music major requirements, less 6 semester credits of approved music lessons		44
Double lessons at the 300 and 400 levels		4
MU 407	Intro to Church Music	2
MU 405	History of Liturgy and Church Music	2
MU 491	Independent Study: Literature for the Church Organist	2
MU 427	Advanced Conducting	2
MU 383	Junior Recital (credit contained in extra lessons)	0
MU 483	Senior Recital (credit contained in extra lessons)	0

PIANO PEDAGOGY (59)

Music major requirements, less 6 semester credits of approved Music courses		44
MU 330	Piano Pedagogy	2
MU 337	Piano Literature	2
MU 394	Music Practicum (Piano Pedagogy, 2 semesters) ..	4
Four semesters of additional private lesson credit (additional piano required for state certification but not for degree)		4
MU 383	Junior Recital (credit contained in extra lessons) ...	0
One approved psychology course in the area of human growth and development		3

PIANO PERFORMANCE (56)

Music major requirements, less 6 semester credits of approved music courses		44
MU 330	Piano Pedagogy	2
Four semesters of extra piano lesson credit		6
Chamber music ensemble involving piano or supervised accompanying		2
MU 337	Piano Literature	2
MU 383	Junior Recital (credit contained in extra lessons) 0	
MU 483	Senior Recital (credit contained in extra lessons) 0	

VOICE PERFORMANCE (58-59)

Music major requirements, less 6 semester credits of approved Music courses		44
Four semesters of extra voice lesson credit		6
MU 335	Vocal Literature/Diction I	2
MU 336	Vocal Literature/Diction II	2
MU 439	Vocal Pedagogy	2
Choose from the following:		2-3
MU 284	Opera Workshop	
Opera History or Music for the Stage		
TA 145	Theatre Production (variable credit)	
TA 231	Oral Interpretation	
TA 273	Acting	
MU 383	Junior Recital (credit contained in extra lessons)	0
MU 483	Senior Recital (credit contained in extra lessons)	0

MUSIC CORE COURSES REQUIRED FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN ENGLISH, or ELECTIVE STUDIES IN RELIGION, or ELECTIVE STUDIES IN THEATRE ARTS (42)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 210	Music Theory III	3
MU 211	Ear Training III	1
MU 212	Music Theory IV	3
MU 213	Ear Training IV	1
MU 225	General Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
MU 383	Junior Recital	1
Six semesters of private lessons		6
Eight semesters of ensembles		8
Two semesters of MU 141 are required. (Students are placed according to their proficiency in MU 141 and the credit for MU 141 does not count toward required credits for a music major.)		
Complete the above foundation courses in Music plus one of the following areas — English, Religion, or Theatre.		

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN ENGLISH (60)

Music Core Courses	42
EL 125 Reading Literature	3
EL 205 American Literature: Eras and Modes	3
One of the British Literature survey courses:	3
EL 207 British Literature to 1800	
EL 208 British Literature 1800 to the Present	
One of the following:	3
EL 207 British Literature to 1800	
EL 208 British Literature 1800 to the Present	
EL 212 Religious Themes in Modern Literature	
EL 251 Modern World Literature	
EL 245 Introduction to Creative Writing	
EL 250 American Film	
Completion of any two upper-division literature or writing courses (Recommended: EL 353 or EL 354, Shakespeare)	6

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN RELIGION (60)

Music Core Courses		42
RE 154	Introduction to the Christian Faith	3

RE 323	American Christianity	3
RE 361	Christian Doctrine	3
RE 393	Christian Spirituality	3
Six semester credits chosen from the following:		6
RE 130	Introduction to the Bible	
RE 231	Old Testament	
RE 241	New Testament	
RE 247	Matthew's Gospel	
RE 250	John's Gospel	

REQUIREMENTS FOR A BACHELOR OF ARTS IN MUSIC WITH ELECTIVE STUDIES IN THEATRE ARTS (63)

TA 231	Interpretation	3
TA 273	Acting	3
TA 279	Voice for the Performer	3
TA 361	Fundamentals of Directing	3
One of the following:		3
TA 275	Technical Theatre	
TA 375	Technical Theatre	
One of the following:		3
TA 476W	History of Theatre: Greek to Medieval	
TA 477W	History of Theatre: Renaissance to Modern	
One of the following:		3
TA 145,245,345,445	Theatre Production	
TA 255	Story Theatre	
TA 348	Chamber Theatre	
TA 374	Children's Theatre	

Additional Emphasis Areas by arrangement with Music faculty advisor.

REQUIREMENTS FOR A MUSIC EDUCATION MAJOR — B.A. (62-63) (K-12 endorsement, choral or instrumental track)

Both tracks require the following music core courses: (52)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 210	Music Theory III	3
MU 211	Ear Training III	1
MU 212	Music Theory IV	3
MU 213	Ear Training IV	1
MU 225	General Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
MU 427	Advanced Conducting	2
MU 432	Orchestration	3
MU 440	Elementary Music Methods	2
MU 442	Secondary Music Methods	2
MU 481	Field Experience	3
MU 192-492	Seven semesters of recital hours	0

(If student teaching is at secondary level, MU 481 should be at elementary level and vice versa. Music 481, Field Experience, at

the alternate level can be met by: ED 323, 324, 325 Multicultural Field Experience.)

Six semesters of private lessons	6
Seven semesters of ensembles	7
Two semesters of MU 141 (credit does not count toward the degree)	
Recital Performance Proficiency	0
MU 192-492 Recital Hours	0

*Must take one or both of the following tracks:

CHORAL TRACK (62)

Foundation courses for Music Ed. Major	52
MU 140 Class Guitar	1
MU 157 Private Piano (two terms with a grade of B or better)	2
MU 415 Choral Literature	2
MU 443 Choral Techniques/Methods	3
Music electives	2

INSTRUMENTAL TRACK (61)

Foundation courses for Music Ed. Major	52
MU 444 Instrumental Methods	3
MU 341 Woodwind Methods	1
MU 342 Brass Techniques	1
MU 331 String Techniques	1
MU 332 Percussion Techniques	1
MU 416 Instrumental Music Literature	2

ALL TRACKS

There are professional Education courses that must be taken from the School of Education. Refer to the School of Education section in this catalog.

REQUIREMENTS FOR AN ARTS ADMINISTRATION MAJOR — MUSIC EMPHASIS B.A. (49)

MU 110	Music Theory I	3
MU 111	Ear Training I	1
MU 112	Music Theory II	3
MU 113	Ear Training II	1
MU 201W	Introduction to Music Literature	3
MU 225	Basic Conducting	2
MU 301	Music History I	3
MU 302	Music History II	3
4 semester credits in lessons		4
4 semester credits in ensembles		4
Seminar in Arts Administration		3
MU 390/490 Approved Internship		3
BU 230	Basic Accounting I	4
BU 374	Principles of Management	3
CS 170	Computer Information Systems	3
JR 244	Publicity and Public Relations	3
PY 102	Personal Applications of Psychology	3

MINOR IN MUSIC (23)

Four semester credits of Music lessons	4
Four semester credits of Music ensembles	4
MU 110 Music Theory I	3
MU 111 Ear Training I	1

MU 112	Music Theory II	3
MU 113	Ear Training II	1
One of the following:		3
MU 201W	Introduction to Music Literature	
FA 101	Introduction to the Fine Arts	
MU 225	General Conducting	2
Two semester credits of Music electives		2
MU 192/292	Recital Hours	0

NOTE TO ALL MUSIC AND MUSIC EDUCATION MAJORS

A great deal of additional information about the Music program is listed in the publication, "Student Guide to a Music Major," which is available on request or can be obtained from the Music Department.

FINE ARTS COURSE

FA 101 INTRODUCTION TO THE FINE ARTS (3)
Integrates the disciplines of art, music, theater, and dance into an examination of the fine arts experience. Elements, media, expressiveness. Periodic offering. Fall semester.

MUSIC COURSES

MU 110 MUSIC THEORY I (3)
Notation, scale structure, intervals, simple harmonic progressions. Work at the keyboard is included. Fall semester.

MU 111, 113, 211, 213 EAR TRAINING I, II, III, IV (1)
Ear training, sight singing. Taken concurrently with corresponding Music Theory course.

MU 112 MUSIC THEORY II (3)
Seventh chords, inversions, non-harmonic tones, modulations, altered chords, complex chord progressions. Work at the keyboard is included. Prerequisite: MU 110. Spring semester.

MU 113 - SEE MU 111

MU 196 TOPICS IN MUSIC (1-3)
Selected lower-division topics in music. Periodic offering.

MU 201W INTRODUCTION TO MUSIC LITERATURE (3)
Major developments within each of the major stylistic periods from the Middle Ages to the present. Composers and their works, terminology and forms, concepts, research and resources. Spring semester.

MU 206 JAZZ IN AMERICA (3)
Comprehensive review of the cultural settings from which jazz emerged. Major jazz styles, composer/performers, and recordings. Fall semester.

MU 207 20TH-CENTURY AMERICAN MUSIC (30)
An in-depth examination of musical masterpieces of 20th-Century America. Compositions by Gershwin, Ives, Copland and others will be examined. Fall semester every three years, beginning in Fall 1997.

MU 210 MUSIC THEORY III (3)
Continuation of topics in MU 112. Emphasis on traditional musical forms such as theme and variations, rondo, and sonata, with some writing in these forms. Prerequisite: MU 112. Fall semester.

MU 211 - SEE MU 111

MU 212 MUSIC THEORY IV (3)
An introduction to contemporary harmonic idioms. Eleven written assignments of varied nature. Prerequisite: MU 210. Spring semester.

MU 213 - SEE MU 111

MU 220 BEGINNING COMPOSITION (2)
Study of musical works with regard to relevant compositional points. Exploration of musical writing for specific combinations of instruments and/or voices. Prerequisite: MU 110 or permission.

MU 225 GENERAL CONDUCTING (2)
Basic techniques of choral and instrumental conducting. Fall semester.

MU 284 OPERA WORKSHOP (2)
Preparation of roles from opera and/or operettas, with performance at the end of the term. Acting, vocal techniques, stage movement. Jan Term.

MU 300 DOMAIN OF THE ARTS (3)
Exploration of drama, poetry, dance, music, art, and film in various locations. The arts in relation to society, values, faith. Jan Term.

MU 301 MUSIC HISTORY I (3)
Musical styles, forms, composers from ancient times through the Baroque. Lectures, reading, score analysis, coordinated listening. Prerequisite: MU 201W. Fall semester.

MU 302 MUSIC HISTORY II (3)
Continuation of topics in MU 301, covering the Classical period to the present. Prerequisite: MU 201W. Spring semester.

MU 313 MUSIC STUDY: LONDON (3)
Preview, attendance, and review of live performances of orchestras, choruses, and solo musicians on site in London. Opera, musicals, major choral works, symphonies, recitals. Jan Term, even years.

MU 330 PIANO PEDAGOGY (1)
Exploration of concepts, materials, and methods. Fall semester, even years.

MU 331 STRING TECHNIQUES (1)
Techniques, materials, methods, application of scoring. Fall semester, even years.

MU 332 PERCUSSION TECHNIQUES (1)
Techniques, materials, methods, application of scoring. Spring semester, odd years.

MU 335 VOCAL DICTION AND LITERATURE: ENGLISH AND FRENCH (2)
Exposure to English and French vocal literature through listening and score reading. Baroque to 20th-century International Phonetic Alphabet for English and French will be studied. Fall semester, even years.

MU 336 VOCAL DICTION AND LITERATURE: ITALIAN AND GERMAN (2)
Exposure to Italian and German vocal literature through listening and score reading. Baroque to 20th century. The International Pho-

netic Alphabet for Italian and German will be studied. Spring semester, odd years.

MU 337 PIANO LITERATURE (2)

Study of the major repertoire and its composers from the Renaissance to the present. Fall semester, odd years.

MU 340 ELEMENTARY MUSIC: CURRICULUM AND METHODS (2)

Curriculum and methods for teaching music in the elementary school. Procedures, materials for teaching music in the self-contained elementary classroom. Designed for non-music majors. Fall and spring semesters; Jan Term.

MU 341 WOODWIND TECHNIQUES (1)

Techniques, materials, concepts, application of scoring. Fall semester, odd years.

MU 342 BRASS TECHNIQUES (1)

Techniques, materials, concepts, application of scoring. Spring semester, even years.

MU 348 SYNTHESIZER, SEQUENCER AND COMPUTER (2)

Students will use synthesizers, sequencers, and computers to compose, arrange, orchestrate and/or publish music ranging from jazz to orchestral.

MU 365 MUNICH, ROME JAZZ WORKSHOP (3)

A select group of Whitworth jazz students (enrollment by audition only) will spend Jan Term in Munich where they will join with German students from the Munich Academy of Music in various jazz classes, ensembles, and concerts. Offered periodically, Jan Term.

MU 383 JUNIOR RECITAL (VARIES)

Music majors only. Department approval required. Fall and spring semesters.

MU 394 MUSIC PRACTICUM (2)

Required for students in Piano Pedagogy Emphasis and in Church Music Emphasis. Piano teaching involved in Piano Pedagogy Emphasis. Prerequisite: junior standing.

MU 396 TOPICS IN MUSIC (1-3)

Selected upper-division topics in music. Periodic offering.

MU 405 HISTORY OF LITURGY AND CHURCH MUSIC (2)

A survey of worship practices and music in the Christian church from its beginnings to the present day. Fall semester, odd years.

MU 407 INTRODUCTION TO CHURCH MUSIC (2)

The role of music in worship traditions of the Christian church; methods for implementation of a successful church music program. Fall semester, even years.

MU 410 COUNTERPOINT (3)

In-depth exploration of fugue, invention forms. J.S. Bach, selected contemporary composers as illustrations. Student construction of fugue based on Bach's models. Periodic Jan Terms.

MU 415 CHORAL LITERATURE (2)

Examination of appropriate choral literature for the high school choir and church choir from the Renaissance to the present. Offered fall Term, odd years.

MU 416 INSTRUMENTAL MUSIC LITERATURE (2)

Fall semester, even years.

MU 427 ADVANCED CONDUCTING (2)

Advanced techniques of choral and instrumental conducting. Score study. Prerequisite: MU 225 with a grade of "C" or better. Spring semester.

MU 432 ORCHESTRATION (3)

Practical ranges of the instruments of the orchestra, transposing music for any instrument, and transcribing music for full orchestra and band. Score reading, error detection, instrumental balance. Prerequisites: MU 110, MU 112 and MU 210 and junior standing. Spring semester.

MU 439 VOCAL PEDAGOGY (2)

Study of the anatomy and physiology involved in effective singing. Techniques designed to help singers attain their full potential. Exercises to teach proper posture, breathing, breath control, vocal production. Spring semester, even years.

MU 440 MUSIC METHODS IN THE ELEMENTARY SCHOOL (2)

Procedures, materials for elementary school music teaching. For music majors, minors who may become elementary music specialists. Teaching, observation of lessons, performance organization. Spring semester, even years.

MU 442 SECONDARY MUSIC METHODS (2)

Exploration of all aspects of secondary school music teaching. Includes actual teaching experience. Spring semester, odd years.

MU 443 CHORAL TECHNIQUES AND MATERIALS (3)

Techniques, problems in choral conducting, rehearsal procedure. Choral literature. Spring semester, even years.

MU 444 INSTRUMENTAL METHODS AND MATERIALS (3)

Rehearsal techniques, instrumental literature and materials, marching band techniques, program utilization. Spring semester, odd years.

MU 481 FIELD EXPERIENCE (3)

Required of Music Education majors. May be merged with ED 324, Multicultural field experience.

MU 482/582 WIND ENSEMBLE SYMPOSIUM (1)

This workshop is intended for the professional growth and development of the wind ensemble conductor, both practicing professionals, and those in pre-professional training. Subjects covered will include conducting techniques, score preparation and study, wind ensemble history, and rehearsal techniques. May be repeated for credit. Summer.

MU 483 SENIOR RECITAL (0-2)

For music majors with performance emphasis only. Prerequisite: MU 383. Fall and spring semesters.

MU 525 ORFF SCHULWERK: TEACHER TRAINING LEVEL I (4)

A study of the basic philosophy of Orff's approach to music education for children. Students will participate in instrumental and choral ensembles, recorder techniques, movement, an examination of basic pedagogy, and related special topics. Prerequisite: Introduction to Schulwerk or equivalency in music proficiency.

CLASS LESSONS (1)

(Class instruction. Limited to eight students per section. Fee in addition to tuition. Fall and spring semesters.)

MU 140, 240 BEGINNING, INTERMEDIATE CLASS GUITAR

MU 141 CLASS PIANO

MU 142 CLASS VOICE

MU 149, 249, 349, 449 JAZZ COMBO

PRIVATE LESSONS (1-2)

(per weekly half- to one-hour lessons)

(Available to all Whitworth students. May be repeated for credit at the same level. Fee in addition to tuition. Special policies for Jan Term lessons.)

MU 150, 250, 350 450 PRIVATE ACCORDION

MU 151, 251, 351, 451 PRIVATE BANJO

MU 152, 252, 352, 452 PRIVATE BRASS

MU 153, 253, 353, 453 PRIVATE GUITAR

MU 154, 254, 354, 454 PRIVATE HARPSICORD

MU 155, 255, 355, 455 PRIVATE ORGAN

MU 156, 256, 356, 456 PRIVATE PERCUSSION

MU 157, 257, 357, 457 PRIVATE PIANO

MU 158, 258, 358, 458 PRIVATE STRINGS

MU 159, 259, 359, 459 PRIVATE VOICE

MU 160, 260, 360 460 PRIVATE WOODWINDS

MU 161, 261, 361, 461 PRIVATE JAZZ IMPROVISATION

MU 162, 262, 362, 462 PRIVATE COMPOSITION

MU 163, 263, 363, 463 PRIVATE JAZZ ARRANGING

PERFORMANCE ENSEMBLES (1)

(Available to all Whitworth students. May be repeated for credit at the same level. Selected Jan Term offerings.)

MU 168, 268, 368, 468 BELL CHOIR (1)

Handbell ringing techniques and literature. Performance in Chapel and occasional service participation in area churches.

MU 170, 270, 370, 470 CHAMBER ENSEMBLE (1)

By permission. Performance in a small vocal or instrumental ensemble.

MU 171, 271, 371, 471 WHITWORTH CHOIR (1)

By audition. Works of all periods, a cappella and accompanied. Annual tour. The Whitworth Choir is in residence for rehearsal during Jan Term, odd years.

MU 172, 272, 372, 472 CHAPEL SINGERS (1)

A non-auditioned choir open to the college community. Especially for those who want to learn more about choral singing. Will regularly sing in chapel.

MU 173, 273, 373, 473 WIND ENSEMBLE (1)

By audition, permission. Primarily original works for band and wind ensemble. Annual tour.

MU 174, 274, 374, 474 JAZZ ENSEMBLE (1)

By audition. All jazz styles. Annual concerts with guest artists, jazz festivals, tours. Jazz workshops in Munich and Rome during Jan Term. Tours with Wind Ensemble.

MU 175, 275, 375, 475 CHAMBER SINGERS (1)

A select, small choral ensemble, the members being chosen from the Whitworth Choir. By audition.

MU 178, 278, 378, 478 STRING ENSEMBLE (1)

By audition, permission. Open to students, community. String Ensemble presents a concert each fall and spring semester. Advanced string students can also audition to be part of Whitworth's String Apprentice Program with the Spokane Symphony Orchestra.

MU 179, 279, 379, 479 JAZZ CHOIR (1)

By audition in the fall semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 93 FOR DETAILS REGARDING THESE STUDIES.

NURSING

Whitworth College Nursing Advisors: Undergraduate program leading to the Bachelor of Science in Nursing degree: Lee Anne Chaney and Dave Hicks (Whitworth Biology Department, advisors), Billie Severtson (ICNE instructor, advisor). Graduate program leading to the Master of Nursing degree: Marian Sheafor (ICNE Associate Dean).

Intercollegiate Center for Nursing Education Personnel: Dean: Thelma Cleveland, R.N., Ph.D.; Associate Dean: Marion Sheafor, R.N., Ph.D. **Faculty:** Professors: M. Bruya, C. Clark, Z. Higgs, A. Mealey, M. Sheafor, J. Thiele. Associate Professors: C. Adams, J. Banasik, T. Bayne, R. Bindler, V. Brooke, T. Cleveland, L. Copstead, R. Emerson, J. Holloway, C. Hunter, S. Jenkin, K. Lishner, K. Records, M. Rice, L. Schumann, B. Severtsen, G. Synoground. Assistant Professors: D. Anderson, M. Armstrong, K. Brown, K. Busch, K. Crow, R. Hoeksel, J. Moore, C. Smith, V. Viers.

The ICNE is a unique consortium program serving Whitworth College, Washington State University and Eastern Washington University. The faculty, staff and instructional resources of the ICNE are located on an extended campus in Spokane. The Center was established in 1968. The BSN and master's programs are accredited by the National League for Nursing and approved by the Washington State Board of Nursing.

Two programs leading to academic degrees are of-

ferred at the Center. The undergraduate nursing major leading to the Bachelor of Science degree in Nursing prepares generalists in professional nursing practice. Upon successful completion of the baccalaureate program, graduates are eligible to take the licensure examination for registered nurses. The Master of Nursing program prepares students for leadership positions in Acute Care, Psych/Mental Health, Community Health Nursing and Family Nurse Practice. Three functional support areas include Nursing Service, Nursing Education and School Nursing. The Center also has a Continuing Education program which offers workshops, conferences, home study options and telecourses in the Inland Northwest.

UNDERGRADUATE PROGRAM (BSN)

Application/Admission

Applicants must obtain an application from the Registrar's Office at Whitworth College. The completed application must be returned to the Registrar's Office by February 15 for August admission and by September 1 for January admission.

All courses prerequisite to the upper-division major, general college/university requirements and junior standing must be completed by the end of spring term for enrollment the following fall and by the end of fall term for spring enrollment. No more than three prerequisite courses may remain to be completed during the spring or fall term when the application is being reviewed. A letter or numerical grade must be submitted for required prerequisite courses. The Pass/No Credit option cannot be used.

Applicants are judged on the following criteria:

1. cumulative GPA of 2.50 or higher;
2. cumulative GPA of 2.50 or higher in prerequisite courses;
3. each prerequisite course must have at least a "C" grade; P/F grades are not accepted;
4. junior standing;
5. quality of writing and content of response to the question on why the applicant has selected a career in nursing.

For further information on the upper-division program at ICNE, contact the associate dean, Academic Affairs, Intercollegiate Center for Nursing Education, 2917 West

Fort George Wright Drive, Spokane, Washington, 99204-5291, or call (509) 324-7338.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN NURSING (130)

130 semester credits, including the 95 credits of prerequisite and nursing courses. Completion of Whitworth's General Graduation Requirements (Oral Communication, Foreign Language and Core 250 or 350 are waived for nursing majors).

Required nursing prerequisites: (32)

BI 204	Microbiology	4
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
CH 101	Introduction to Chemistry	4
CH 163	Bioorganic Chemistry	4
MA 356	Elementary Probability and Statistics	3
NF 315	Nutrition	3
PY 201	Scientific Principles of Psychology	3
SO 120	Social Reality	3

First Aid and CPR certification are required prior to registering for courses at ICNE.

Required Nursing courses (ICNE): (61)

NU 200	Profession of Nursing	2
NU 310	Pharmacological Basis of Nursing Practice	2
NU 312	Pathophysiological Basis of Nursing Practice	3
NU 313	Mental Health Concepts: Individual & Family	2
NU 320	Nursing Concepts: Foundations	3
NU 321	Nursing Practice: Foundations	4
NU 330	Nursing Concepts/Practice: Health Assessment	3
NU 342	Nursing Concepts: Maternity Nursing	2
NU 343	Nursing Practice: Maternity Nursing	3
NU 344	Nursing Concepts: Nursing of Children	2
NU 345	Nursing Practice: Nursing of Children	3
NU 346	Nursing Concepts: Family and Child Development	2
NU 401	Nursing Leadership: Research	2
NU 402	Nursing Leadership: Group Theory & Practice	2
NU 403	Nursing Leadership: Critical Issues	3
NU 420	Nursing Concepts: Adult	5
NU 421	Nursing Practice: Adult	6
NU 440	Nursing Concepts: Community Health	2
NU 441	Nursing Practice: Community Health	4
NU 450	Nursing Concepts: Psych/Mental Health	3
NU 451	Nursing Practice: Psych/Mental Health	3

One additional approved upper-division elective (nursing or non-nursing)

Available upper-division nursing electives:

NU 307	Assertiveness Training for Nurses
NU 350	Therapeutic Communication in Nursing
NU 477	Analysis of Health Care Ethics
NU 483	Advanced Gerontological Nursing
NU 498	Special Topics in Nursing
NU 499	Special Problems/Independent Study

NURSING COURSES

NU 200 PROFESSION OF NURSING (2)

Selected theoretical/historical aspects of professional nursing. Development of nursing roles, scopes of practice, problem solving, and ethical decision making.

NU 307 ASSERTIVENESS TRAINING FOR NURSES (2)

Assertiveness training to assist professional nurses in improving interpersonal relationships in nursing situations.

NU 310 PHARMACOLOGICAL BASIS OF NURSING PRACTICE (2)

Major drug classes, pharmacokinetics, mechanisms of drug action, toxic effects. Emphasis on nursing implications including age, misuse, patient education. Prerequisite: major in Nursing or written permission of instructor.

NU 312 PATHOPHYSIOLOGICAL BASIS OF NURSING PRACTICE (3)

Pathophysiological processes, interrelatedness with physiological defense mechanisms, theories of stress adaptation, age and psychological/behavioral responses. Prerequisite: major in Nursing or written permission of instructor.

NU 313 MENTAL HEALTH CONCEPTS: INDIVIDUAL AND FAMILY (2)

Mental health in individuals/families: anxiety, stress, and adaptation; assertiveness, family theory and dynamics; nursing roles/nursing process with families. Prerequisite: major in Nursing or written permission of instructor.

NU 320 NURSING CONCEPTS: FOUNDATIONS (3)

Nursing concepts foundational to care of well/ill clients. Nursing process, nurse/client roles, communication, relationships, basic needs and teaching/learning theories will be introduced. Prerequisites: NU 310, NU 312, NU 330, or concurrent enrollment.

NU 321 NURSING PRACTICE: FOUNDATIONS (4)

Clinical application of the nursing process with emphasis on psychomotor skills and interpersonal relationships in the care of adult clients. Prerequisites: NU 310, NU 312, NU 320, NU 330, or concurrent enrollment.

NU 330 NURSING CONCEPTS/PRACTICE: HEALTH ASSESSMENT (3)

Holistic multi-dimensional assessment of the well client throughout the adult years; comparison of findings with established norms. Prerequisite: major in Nursing or written permission of instructor.

NU 342 NURSING CONCEPTS: MATERNITY NURSING (2)

Normal reproductive processes and common health problems associated with reproduction. Assessment and nursing care during the antepartum, intrapartum, and postpartum cycles. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313 and NU 346 as prerequisite or concurrent enrollment.

NU 343 NURSING PRACTICE: MATERNITY NURSING (3)

Experience in the care of mothers in the antepartum, intrapartum, and postpartum periods and newborns. Family care and family planning. Prerequisites: NU 310, NU 312, NU 320, NU 321 and NU

330. NU 313, 342, 346 as prerequisite or concurrent enrollment.

NU 344 NURSING CONCEPTS: NURSING OF CHILDREN (2)

Normal growth and development concepts applied to maintenance of child health, care of acutely ill hospitalized children, and needs of children requiring chronic care. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313, NU 346 as prerequisite or concurrent enrollment.

NU 345 NURSING PRACTICE: NURSING OF CHILDREN (3)

Experience in health maintenance and nursing care of children with acute and/or chronic health problems emphasized. Family is included in care planning. Prerequisites: NU 310, NU 312, NU 320, NU 321, and NU 330. NU 313, NU 344, and NU 346 as prerequisite or concurrent enrollment.

NU 346 NURSING CONCEPTS: FAMILY AND CHILD DEVELOPMENT (2)

Physical, cognitive, psychosocial and moral development of children, infancy through adolescence; theoretical frameworks include Freud, Erikson, Piaget, Kohlberg; family theory is explored. Prerequisite: major in Nursing or written permission of instructor.

NU 401 NURSING LEADERSHIP: RESEARCH (2)

Concepts and approaches used in investigation of nursing problems; research critique process; interpretation of statistics used. Prerequisite: major in Nursing or written permission of instructor.

NU 402 NURSING LEADERSHIP: GROUP THEORY (2)

Study of group theories and dynamics; nursing process applied to group as client. Co-leading experience to develop group leadership skills. Prerequisite: major in Nursing or written permission of instructor.

NU 403 NURSING LEADERSHIP: CRITICAL ISSUES (3)

Application of leadership/management theories to steps of the management process; analysis of selected issues critical to the professional nurse. Prerequisites: NU 420, NU 421.

NU 420 NURSING CONCEPTS: ADULT (5)

Theoretical basis for nursing management of clients throughout the adult lifespan. Health/illness problems that occur commonly in society emphasized. Prerequisites: NU 342, NU 343, NU 344, NU 345 as prerequisite or concurrent enrollment.

NU 421 NURSING PRACTICE: ADULT (6)

Application of nursing process in management of adults of all ages with health/illness problems. Holistic approach to patients, using nursing process. Development of clinical judgment and skills. Prerequisites: NU 342, NU 343, NU 344, and NU 345. NU 401 and NU 420 as prerequisite or concurrent enrollment.

NU 440 NURSING CONCEPTS: COMMUNITY HEALTH (2)

Nursing process applied to community clients. Health care delivery, scope of practice, community health problems, community assessment and high-risk populations. Prerequisites: NU 420; 421 as prerequisite or concurrent enrollment.

NU 441 NURSING PRACTICE: COMMUNITY HEALTH (4)

Clinical experience providing nursing services in selected community settings. Community assessment strategies emphasized. Addi-

tional credit: Management theory application. Prerequisites: NU 420, NU 421. NU 402, NU 403, NU 440 as prerequisite or concurrent enrollment.

NU 450 NURSING CONCEPTS: PSYCHIATRIC/MENTAL HEALTH (3)

Nursing process with clients experiencing psychiatric/mental health disruptions. History, theories, legal/ethical issues of psychiatric/mental health nursing. Prerequisites: NU 420 and NU 421.

NU 451 NURSING PRACTICE: PSYCHIATRIC/MENTAL HEALTH (3)

Clinical application of nursing process with clients experiencing acute and chronic psychiatric/mental health disruptions. Prerequisites: NU 402, NU 420, NU 421. NU 450 as prerequisite or concurrent enrollment.

UNDERGRADUATE ELECTIVE COURSES

NU 307 ASSERTIVENESS TRAINING FOR NURSES (2)

Assertiveness training to assist professional nurses in improving interpersonal relationships in nursing situations. Prerequisite: junior in Nursing.

NU 350 THERAPEUTIC COMMUNICATION IN NURSING (1-2)

Therapeutic communication and relationship development with the well/ill client. Examination of various coping strategies used by nurse and client.

NU 477 ANALYSIS OF HEALTH CARE ETHICS (2-3)

Analysis of ethical theories including deontology, teleology, virtue ethics, and their applicability to ethical dilemmas in nursing.

NU 483 ADVANCED GERONTOLOGICAL NURSING (3)

Selected physical, emotional, and social problems of the elderly. Identification of the nurse's role and interventions in a variety of settings. Public policy issues.

NU 490 SPECIAL TOPICS IN NURSING (1-3)

NU 498 SPECIAL TOPICS IN NURSING (1-3)

NU 499 INDEPENDENT STUDY (1-4)

Study of a theoretical or clinical area of interest which is not available through conventional course offerings.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492, 591, 592); READINGS (386, 486); COOPERATIVE EDUCATION/INTERNSHIPS (290, 390, 490, 590); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

PHYSICAL EDUCATION AND ATHLETICS

FACULTY: Scott McQuilkin (Chair), Chris Casey, Warren Friedrichs, Daman Hagerott, Helen Higgs, Melinda Larson, Russell Richardson, John Tully, Kirk Westre

Coaches: Tom Dodd (swimming), Patrick Dreves (men's tennis) Warren Friedrichs (men's basketball), Helen Higgs (women's basketball), Daman Hagerott (women's soccer), Hiram Naipo III (women's volleyball), Andrew Sonneland (cross-country), Steve Simmons (men's soccer), Rod Taylor (baseball), John Tully (football), Jo Wagstaff (women's tennis), Kirk Westre (track and field)

REQUIREMENTS FOR A PHYSICAL EDUCATION MAJOR — B.A. (44)

Four of the following: 4

PE 264	Professional Activities I	4
PE 265	Professional Activities II	4
PE 266	Professional Activities III	2
PE 267	Professional Activities IV	3
PE 268	Professional Activities V	3
PE 269	Professional Activities VI	3
BI 220	Human Anatomy	4
BI 221	Human Physiology	4
PE 270	First Aid	2
PE 279	History and Principles of Physical Education and Sport	3
PE 320*	Kinesiology	3
PE 322W	Philosophical and Psychological Aspects of Coaching	3
PE 326W*	Exercise Physiology	3
PE 330	Adaptive Physical Education	2
PE 345	Curriculum and Methods of Elementary PE and Health	2
PE 351	Curriculum and Methods of Secondary PE	2
PE 400	Tests and Measurements	2
PE 420	Organization and Administration of PE, Intramurals and Interscholastic Sports	3
PE 498	Senior Seminar	2

Plus a minimum of 5 semester credits from upper-division physical education courses. PE 481, Field Experience, required for those seeking K-12 endorsement. PE 271, Introduction to Athletic Training, may be used for 2 of these 5 semester credits 5

*Prerequisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)

REQUIREMENTS FOR PHYSICAL EDUCATION TRACK: K-12 ENDORSEMENT WITH A SECOND TEACHING FIELD — B.A. (54-55)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
PE 279	History and Principles of Physical Education and Sport	3
PE 320*	Kinesiology	4
PE 326W*	Exercise Physiology	3

PE 330	Adaptive Physical Education	2
PE 351	Curriculum and Methods of Secondary PE	2
PE 400	Tests and Measurements	2
PE 420	Organization and Administration of PE, Intramurals, and Interscholastic Sports	3
PE 481	Field Experience	2-3
or other approved alternate-level field experience (i.e. ED 324)		
One of the following:		2
PE 270	First Aid	
PE 271	Introduction to Athletic Training	
One of the following:		3
PE 322W	Philosophical/Psychological Aspects of Coaching	
PE 430	Sports and Society	
An approved second teaching field		20-29
Recommended:		
Two professional activity courses (PE 264 to 269)		
*Pre-requisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)		
[Consult the School of Education before choosing a second field.		
Also, check their certification requirements.]		

REQUIREMENTS FOR SPORTS MEDICINE MAJOR — B.A. (41)

This is a limited-enrollment major.

Applicants for admission to the sports medicine major are evaluated on the following criteria:

- 1) Cumulative G.P.A of 2.75 or higher
- 2) Completion of PE 270 and PE 271 with at least a grade of "B" in each course.
- 3) Formal application.
- 4) Submission of two letters of recommendation
- 5) Ability to work effectively with others.
- 6) Primary focus in Sports Medicine.
- 7) Interview (if necessary)
- 8) Acceptance into the program

Courses to be completed after admission to Sports Medicine major:

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
PE 320*	Kinesiology	4
PE 322W	Philosophical/Psychological Aspects of Coaching	3
PE 326W*	Exercise Physiology	3
PE 330	Adaptive Physical Education	2
PE 332*	Therapeutic Modalities and Rehabilitation	2
PE 333*	Organization/Administration of Athletic Training	2
PE 334*	Physical Exam of the Lower Extremities in Athletic Training	3
PE 335*	Physical Exam of the Upper Extremities in Athletic Training	3
PE 348+	Principles of Conditioning	2
PE 362	Family Health	2
PE 430	Sports in Society	3

Recommended:

A supporting counseling class

PE 400 Tests and Measurements

*Prerequisite: BI 220 (Human Anatomy) and BI 221 (Human Physiology)

+Prerequisite: PE326W (Exercise Physiology)

REQUIREMENTS FOR PHYSICAL EDUCATION AS A SECOND TEACHING FIELD (27)

(K-12 Endorsement)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
PE 320*	Kinesiology	4
PE 326W*	Exercise Physiology	3
PE 330	Adaptive Physical Education	2
PE 420	Organization and Administration/Curriculum of PE, Intramurals, and Interscholastic Sports	3
One of the following:		2
PE 345	Curriculum and Methods of Elementary Physical Education and Health	
PE 351	Curriculum and Methods of Secondary Physical Education	
One of the following:		2
PE 270	First Aid	
PE 271	Introduction to Athletic Training	
One of the following:		3
PE 322W	Philosophical/Psychological Aspects of Coaching	
PE 430	Sports and Society	
Recommended: Two professional activity courses (PE 264 to 269)		
*Prerequisites: BI 220 (Human Anatomy) and BI 221 (Human Physiology)		

REQUIREMENTS FOR HEALTH AS A SECOND TEACHING FIELD (20)

BI 220	Human Anatomy	4
BI 221	Human Physiology	4
PE 270	First Aid	2
PE 326W	Exercise Physiology	3
PE 348	Principles of Conditioning	2
PE 361	Consumer Health	2
PE 362	Family Health	2
One advisor-approved elective		1-2

PHYSICAL EDUCATION COURSES

VARSITY SPORTS (1)

For participants in men's and women's sports at the intercollegiate level.

PE 101	VARSITY BASEBALL
PE 102	VARSITY BASKETBALL
PE 103	VARSITY FOOTBALL
PE 105	VARSITY TENNIS
PE 106	VARSITY TRACK AND FIELD
PE 107	VARSITY SWIMMING
PE 109	VARSITY CROSS-COUNTRY
PE 110	VARSITY VOLLEYBALL

- PE 111 VARSITY SOCCER
PE 117 CHEER LEADERSHIP

ACTIVITY COURSES

- PE 113, 213 BEGINNING, INTERMEDIATE BASKETBALL

(1)

- PE 115 BOWLING

- PE 119 ICE SKATING

- PE 122, 222 BEGINNING, INTERMEDIATE TENNIS

- PE 124 WEIGHT TRAINING

- PE 125, 225 BEGINNING, INTERMEDIATE GOLF

- PE 126 FOUNDATIONS OF PHYSICAL ACTIVITY

Cognitive learning with individualized appraisal and program planning for fitness development and lifetime sport/dance education.

- PE 129, 229 BEGINNING, INTERMEDIATE BADMINTON

- PE 130 SOCCER

- PE 131 SOFTBALL

- PE 132 FITNESS PROGRAMS

- PE 133, 233 BEGINNING, INTERMEDIATE VOLLEYBALL

- PE 134 JOGGING/AEROBICS

- PE 135 RACQUETBALL

- PE 138, 178 KARATE, KARATE II

- PE 139 FENCING

- PE 141 WATER AEROBICS

- PE 143, 243 BEGINNING, INTERMEDIATE BALLET

- PE 144 CONDITIONING THROUGH DANCE

- PE 147 SCUBA DIVING

- PE 148 CROSS-COUNTRY SKIING

- PE 149 SWIMMING FOR FITNESS

- PE 150 BEGINNING, AQUATICS

- PE 159, 160 BEGINNING, INTERMEDIATE SKIING

- PE 164 PICKLEBALL

- PE 166 AEROBIC DANCE

- PE 167, 168 DANCE PERFORMANCE

- PE 170, 171 DANCE VARIATION

- PE 230 INTERMEDIATE SOCCER

- PE 250 LIFESAVING

- PE 251 WATER SAFETY INSTRUCTION

- PE 256 BALLET: POINTE

- PE 257 BALLET: PAS DE DEUX

- PE 259 ADVANCED SKIING

OTHER PHYSICAL EDUCATION COURSES

- PE 196 TOPICS IN PHYSICAL EDUCATION (1-3)

Selected lower-division topics in physical education. Periodic offering.

- PE 202 SPORTS AND PERFORMANCE (1)

This course includes instruction of self concept, attitude, success, drug use and abuse, and performance-enhancing agents in athletics.

- PE 264 PROFESSIONAL ACTIVITIES I (1)

Soccer, aquatics. Spring semester, even years

- PE 265 PROFESSIONAL ACTIVITIES II (1)

Football, volleyball. Fall semester, even years.

- PE 266 PROFESSIONAL ACTIVITIES III (1)

Softball, weight lifting. Spring semester, odd years.

- PE 267 PROFESSIONAL ACTIVITIES IV (1)

Golf, dance. Fall semester, odd years.

- PE 268 PROFESSIONAL ACTIVITIES V (1)

Basketball, track and field. Spring semester, even years.

- PE 269 PROFESSIONAL ACTIVITIES VI (1)

Tennis, badminton. Spring semester, odd years.

- PE 270 EMERGENCY RESPONSE (2)

First aid and safety procedures. Emergency Response and CPR certificates from the Red Cross awarded to those who qualify. Lab fee. Fall and spring semesters, Jan Term.

- PE 271 INTRODUCTION TO ATHLETIC TRAINING (2)

Survey of the profession of athletic training. Injury prevention, assessment, treatment, taping, and rehabilitation of common athletic injuries will be presented. Lab fee. Spring semester.

- PE 279 HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION (3)

Historical survey of physical education from ancient to modern times. Basic principles of modern physical education and their relationship to present-day programs. Biological, psychological, cultural factors. Fall semester.

- PE 320 KINESIOLOGY (4)

A study of human motion, emphasizing analysis of joint and muscular action and the application of biomechanical principles for sport skills common to physical education and athletics. Prerequisites: BI 220 and BI 221. Spring semester.

- PE 322W PHILOSOPHICAL AND PSYCHOLOGICAL ASPECTS OF COACHING (3)

An overview of the application of philosophical and psychological principles to coaching so that the coach is better prepared to develop the maximum potential in athletes. Fall semester.

- PE 326W EXERCISE PHYSIOLOGY (3)

The study of theory and practical application of exercise as it applies to the human body. Prerequisites BI 220 and BI 221. Fall semester.

PE 330 ADAPTIVE PHYSICAL EDUCATION AND RECREATION (2)

A study of teaching activities which must be directed toward or modified for special groups. Jan Term.

PE 332 THERAPEUTIC MODALITIES AND REHABILITATION (2)

Analysis of the physiological response to injury and the effects of therapeutic modalities and rehabilitation on damaged tissues. Jan Term.

PE 333 ORGANIZATION/ADMINISTRATION OF ATHLETIC TRAINING (2)

The design of training facilities, development of budgets, organization of curricula, understanding of the psychological aspects of pain, research of athletic pharmacology, and definition of the role, duties and responsibilities of an athletic trainer. Lab fee. Spring semester.

PE 334 PHYSICAL EXAMINATION OF THE LOWER EXTREMITY IN ATHLETIC TRAINING (3)

Intense, in-depth study of the lower extremities including physical examination, injury recognition, treatment, taping, bracing and rehabilitation. Lab fee. Fall semester.

PE 335 PHYSICAL EXAMINATION OF THE UPPER EXTREMITY IN ATHLETIC TRAINING (3)

Intense, in-depth study of the trunk, head, face, and upper extremities including physical examinations, injury recognition, emergency treatment, taping, bracing and rehabilitation. Lab fee. Spring semester.

PE 338 SPORTS MEDICINE PREPARATORY TOUR (1)

PE 339 SEMINAR IN SPORTS MEDICINE (3)

PE 345 ELEMENTARY PHYSICAL EDUCATION/HEALTH EDUCATION: CURRICULUM AND METHODS (2)

Curriculum and methods for teaching physical education and health education in the elementary school. Current methods and materials used in developing the elementary curriculum and in teaching the appropriate activities for each grade level. Class management, class discipline and directed teaching are practiced. Fall and spring semesters and Jan Term.

PE 348 PRINCIPLES OF CONDITIONING (2)

Development of proficiency in the theory, design, and implementation of conditioning programs. Preparation for Certified Strength and Conditioning Specialist Exam. Prerequisite PE 326W. Spring semester.

PE 351 CURRICULUM AND METHODS OF SECONDARY PHYSICAL EDUCATION (2)

Practical applications of educational theory and sports content. Emphasis on preparation of resource units and directed teaching. Spring semester.

PE 361 CONSUMER HEALTH (2)

Current issues in health, including the health care system and wellness and illness. Jan Term, even years.

PE 362 FAMILY HEALTH (2)

Current issues related to substance use and abuse, sexuality and life cycles. Jan Term, odd years.

PE 371 THEORY AND PRACTICE OF BASEBALL (2)

Designed to assist the student in preparing to coach baseball. Organization, equipment, facilities. Spring semester, even years.

PE 372 THEORY AND PRACTICE OF BASKETBALL (2)

Designed to assist the student in preparing to coach basketball. Organization, equipment, facilities. Fall semester, odd years.

PE 373 THEORY AND PRACTICE OF FOOTBALL (2)

Designed to assist the student in preparing to coach football. Organization, equipment, facilities. Fall semester, even years.

PE 374 THEORY AND PRACTICE OF TRACK AND FIELD (2)

Designed to assist the student in preparing to coach track and field. Organization, equipment, facilities. Spring semester, even years.

PE 375(275) THEORY OF VOLLEYBALL COACHING (2)

Designed to assist the student in preparing to coach volleyball. Organization, equipment, facilities. Fall semester, odd years.

PE 396 TOPICS IN PHYSICAL EDUCATION (1-3)

Selected upper-division topics in physical education. Periodic offering.

PE 400 TESTS AND MEASUREMENTS (3)

Selection, administration, interpretation and application of fitness test, skills tests and knowledge tests. Development of computer software proficiency as it relates to the evaluation of tests designed to analyze human movement. Fall semester.

PE 420 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION, INTRAMURALS AND INTERSCHOLASTIC SPORTS (3)

Administrative policies and practices as they relate to program development, budget, facilities, equipment, personnel management and public relations in directing physical education, intramural and interscholastic sports programs. Fall semester.

PE 430 SPORTS AND SOCIETY (3)

Interrelationships of sports with other aspects of culture. Role of sports in American society. Spring semester.

PE 465 MOTOR LEARNING (3)

Theories and principles of motor activity and motor responses. Spring semester.

PE 498 SENIOR SEMINAR (2)

Integration of theory courses into the entire field of physical education as well as into the Christian liberal arts tradition. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

PHYSICS

FACULTY: Delbert Friesen (Chair), Salah Badjou, Lois Kieffaber

REQUIREMENTS FOR A PHYSICS

MAJOR — B.A. (55)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
PS 355W	Quantum Mechanics	4
PS 363W	Thermodynamics	4
One of the following:		4
PS 451	Electricity and Magnetism I	
PS 461	Theoretical Mechanics I	
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 212	Differential Equations	3
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 281	Principles of Chemistry II	3
CH 281L	Laboratory for Prin of Chem II	1
One additional Physics course (excluding PS 121)		4

For 4-12 teaching endorsement, the following additional courses are required:

ED 473	Methods of Teaching Science: Secondary	2
PS 395/495	Departmental Teaching Assistant	2

REQUIREMENTS FOR A PHYSICS

MAJOR — B.S. (69)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
PS 355W	Quantum Mechanics	4
PS 361	Nuclear Physics	4
PS 363W	Thermodynamics	4
PS 451	Electricity and Magnetism I	4
PS 453	Electricity and Magnetism II	4
PS 461	Theoretical Mechanics I	4
PS 463	Theoretical Mechanics II	4
PS 382	Science Seminar	1
PS 482	Science Seminar	1
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 212	Differential Equations	3
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 281	Principles of Chemistry II	3
CH 281L	Laboratory for Prin of Chem II	1

REQUIREMENTS FOR A PHYSICS

MINOR (24)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
Three additional courses in Physics (excluding PS 121)		12

REQUIREMENTS FOR PHYSICS AS A

SECOND TEACHING FIELD (22)

(4-12 endorsement)

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
PS 273	Electronics	4
One approved course in Physics		4
ED 473	Methods of Teaching Science: Secondary	2

REQUIREMENTS FOR SCIENCE AS A

SECOND TEACHING FIELD WITH A

PHYSICS MAJOR (24)

(4-12 endorsement)

BI 150	Cell Biology	2
BI 152	Animal Biology	2
BI 153	Plant Biology	2
BI 154	Microbial Biology	2
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 163	Bioorganic Chemistry	3
CH 163L	Laboratory for Bioorganic Chemistry	1
PS 141	Introduction to Astronomy	4
One of the following:		4
GL 131	Understanding Earth	
GL 139	Environmental Geology	

PRE-ENGINEERING

Engineering is normally a five-year program. Therefore students may take three years at Whitworth followed by two years at an engineering school, or two years at Whitworth followed by three years at an engineering school. Students completing their engineering bachelor's degree elsewhere after three years at Whitworth may receive a Whitworth B.A. degree in addition to their engineering degree. Three-two arrangements with Washington University (St. Louis), the University of Southern California, Columbia University, and Seattle Pacific University (Electrical Engineering) are in effect. Agreements with additional engineering schools are planned. Such a program gives a student with educational goals in the engineering area the opportunity to pursue the first three years in a

supportive atmosphere of small classes and close faculty contacts. The following courses are recommended to meet the needs of many engineering schools. For certain branches of engineering, other Whitworth offerings (i.e. Organic Chemistry for chemical engineering, Statics for mechanical and civil engineering) may be appropriate.

Pre-engineering Recommended Courses

PS 151	General Physics I	4
PS 153	General Physics II	4
PS 251W	General Physics III	4
MA 110	Calculus I	4
MA 111	Calculus II	4
MA 210	Calculus III	4
MA 212	Differential Equations	3
CH 161	Principles of Chemistry I	3
CH 161L	Laboratory for Prin of Chem I	1
CH 281	Principles of Chemistry II	3
CH 281L	Laboratory for Prin of Chem II	1
CS 171	Computer Science I	3
EN 110	Engineering Orientation	1
EL 110	Writing I	3

ENGINEERING COURSES

EN 110 ENGINEERING ORIENTATION (4)

Concerns of the engineering profession: its scope, challenges, opportunities, rewards, and educational requirements. Also included are guest lectures by professional engineers and tours of area engineering facilities. Fall semester.

EN 211 STATICS (3)

Mathematical review, equilibrium of a particle, free-body diagrams, equilibrium of a rigid body, structural analysis, friction, center of gravity, moments of inertia. Prerequisites: PS 151 and MA 110; also MA 111 or concurrent enrollment. Fall semester, even years.

GEOLOGY COURSES

GL 131 UNDERSTANDING EARTH (4)

Earth's crust as the scene of a battle between leveling forces (erosion, landslides) and forces causing irregularities (volcanoes, mountain-building). Lab work with minerals, rocks, and maps. Fall semester, even years.

GL 139 ENVIRONMENTAL GEOLOGY (4)

Interactions of the human species with land, sea, and air. Geologic hazards, earth resources, oceanography, meteorology. Includes laboratory. Fall semester, odd years.

PHYSICS COURSES

PS 121 CONCEPTS OF PHYSICS (3)

A study of some fundamental unifying ideas of physics and of how scientists learn about the physical world. Emphasis on the comprehension of concepts rather than on mathematical computation. For non-science majors. Jan Term.

PS 141 INTRODUCTION TO ASTRONOMY (4)

Nature and origin of the solar system, starlight and star life, components and structure of a galaxy, the expanding universe, and cosmology. Astronomical instruments are also discussed. Includes laboratory. Spring semester.

PS 151 GENERAL PHYSICS I (4)

Basic principles of mechanics, wave motion, and sound. Includes laboratory. Prerequisite: MA 110 or concurrent enrollment. Fall semester.

PS 153 GENERAL PHYSICS II (4)

Continuation of PS 151. Basic principles of thermodynamics, electricity, and magnetism. Includes laboratory. Prerequisites: PS 151, also MA 111 or concurrent enrollment. Spring semester.

PS 196 TOPICS IN PHYSICS (1-3)

Selected lower-division topics in physics. Periodic offering.

PS 251W GENERAL PHYSICS III (4)

Continuation of PS 153. Basic principles of optics, special relativity, and modern physics. Includes laboratory. Prerequisite: PS 153. Fall semester. Completion of this three-semester sequence is the normal pattern for entry into all upper-level physics courses.

PS 273 ELECTRONICS (4)

A "learn by doing" practical introduction to the fundamentals of electronic devices and circuits. Emphasis on modern instrumentation. Includes laboratory. Prerequisite: PS 153. Spring semester.

PS 355W QUANTUM MECHANICS (4)

An introduction to the principles of quantum mechanics, including Schroedinger's equation applied to the rigid rotor, the hydrogen atom, and the harmonic oscillator. Includes laboratory. Prerequisites: PS 251 and MA 212. Spring semester, even years.

PS 361 NUCLEAR PHYSICS (4)

Nuclear structure, radioactivity, nuclear reaction, interactions of nuclear radiations with matter. Includes laboratory. Prerequisite: PS 251. Fall semester, even years.

PS 363W THERMODYNAMICS (4)

Thermodynamical laws, kinetic theory, states of matter, phase transitions, and statistical mechanics. Includes laboratory. Prerequisites: PS 153, MA 212 and CH 281. Fall semester, odd years.

PS 371 OPTICS (4)

Nature of light, geometrical and physical optics, interference, quantum optics, optical instruments. Includes laboratory. Prerequisites: PS 251 and MA 212. Spring semester, odd years.

PS 382, 383, 482, 483 SCIENCE SEMINAR (1)

Current developments in physics, biology, and chemistry. Guest speakers, faculty and student presentations. Prerequisites: Natural Sciences major, junior or senior standing, and permission. Fall and spring semesters.

PS 396 TOPICS IN PHYSICS (1-3)

Selected upper-division topics in physics. Periodic offering.

PS 451 ELECTRICITY AND MAGNETISM I (4)

Electric and magnetic fields, boundary value problems, steady and alternating currents, electrical instruments, and measurement tech-

niques. Includes laboratory. Prerequisites: PS 153 and MA 212. Fall semester, even years.

PS 453 ELECTRICITY AND MAGNETISM II (4)

Continuation of PS 451. Maxwell's equations, electromagnetic waves, advanced topics in electrical and magnetic phenomena. Includes laboratory. Prerequisite: PS 451. Spring semester, odd years.

PS 461 THEORETICAL MECHANICS I (4)

Newtonian mechanics, central forces, dynamics of systems, oscillating systems, numerical techniques. Includes laboratory. Prerequisites: PS 153 and MA 212. Fall semester, odd years.

PS 463 THEORETICAL MECHANICS II (4)

A continuation of PS 461. Lagrange's equations, rigid bodies, continuous media. Includes laboratory. Prerequisite: PS 461. Spring semester, even years.

PS 271, 471, 473 EXPERIMENTAL PHYSICS (VARIES)

Supervised research projects in areas such as electronics, optics, nuclear physics, computer applications, atmospheric physics. Prerequisite: permission of professor.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

PSYCHOLOGY

Faculty: James Waller (Chair), William Johnson, Glenna Schubarth, Noel Wescombe

REQUIREMENTS FOR A PSYCHOLOGY MAJOR — B.A. (48)

PY 201	Scientific Principles of Psychology	3
PY 202W	History of Psychology	3
PY 210W	Childhood and Adolescence	3
or PY 211	Adulthood and Aging	
PY 227	Theories of Personality	3
PY 241	Social Psychology	3
PY 326W	Research Methods	3
PY 326L	Research Methods Laboratory	1
PY 336	Physiological Psychology	3
PY 350	Psychology and Christian Faith	3
PY 358	Abnormal Psychology	3
PY 375	Advanced Principles of Psychology	4
PY 423	Practicum in Psychology	3
PY 425W	Learning and Cognition	3
PY 425L	Learning and Cognition Laboratory	1
PY 498W	Senior Research	3
MA 356	Elementary Statistics	3
One of the following:		3
SP 113	Interpersonal Communication	
SP 223	Small Group Communication	

REQUIREMENTS FOR A PSYCHOLOGY MINOR (15)

PY 201	Scientific Principles of Psychology	3
MA 356	Elementary Statistics	3
Three additional approved courses		9

REQUIREMENTS FOR PSYCHOLOGY AS A SECOND TEACHING FIELD (21)

(4-12 endorsement)

PY 201	Scientific Principles of Psychology	3
PY 210W	Childhood and Adolescence	3
PY 227	Theories of Personality	3
PY 241	Social Psychology	3
MA 356	Elementary Statistics	3
One of the following:		3
PY 358	Abnormal Psychology	
PY 468	Theories of Counseling	
Department chair-approved Psychology course		3

PSYCHOLOGY COURSES

PY 196 TOPICS IN PSYCHOLOGY (1-3)

Selected lower-division topics in psychology. Periodic offering.

PY 200 SOCIAL ISSUES OF MENTAL ILLNESS (3)

Introduction to social issues of psychopathology using American films. Various symptoms, disorders, interpersonal dynamics, influences, treatments and legal and ethical issues of mental illness will be explored through the use of films. Jan Term.

PY 201 SCIENTIFIC PRINCIPLES OF PSYCHOLOGY (4)

Use of scientific method in examining human behavior. How to deal objectively with questions about behavior. Topics include biological development, perception, states of consciousness, learning and memory, motivation and emotion, disorder and therapy, social, diversity behavior. Laboratory experience. Fall and spring semesters.

PY 202W HISTORY OF PSYCHOLOGY (3)

An attempt to understand how historical figures, classical theories of human nature, and events familiar to and distant from other scientific disciplines have molded the development of psychology. Prerequisite: PY 201. Spring semester.

PY 210W CHILDHOOD AND ADOLESCENCE (3)

The biological, psychological and cultural influences on human behavioral development from conception through adolescence. Prerequisite: PY 201. Fall semester.

PY 211 ADULTHOOD AND AGING (3)

The biological, psychological and cultural influences on human behavioral development from early adulthood through death. Prerequisite: PY 201. Spring semester.

PY 223 PSYCHOLOGY OF WOMEN (3)

Provides opportunities for students to learn about the field of psychology of women in a variety of formats. Course is designed for anyone, male or female, interested in the topic. Periodic offering.

PY 227 THEORIES OF PERSONALITY (3)

Study and comparison of major theories of personality current in the field of Psychology. Integration of theories with research and case material. Prerequisite: PY 201. Fall semester.

PY 230 CROSS-CULTURAL PSYCHOLOGY (3)

The study of culture's influence on thoughts, feelings and behaviors. Topics covered include concepts in cross-cultural research, socialization, education, family, gender, intergroup relations, health and values. Prerequisite: PY 201. Jan Term, odd years.

PY 241 SOCIAL PSYCHOLOGY (3)

An attempt to understand how an individual's thoughts, feelings, and behaviors are influenced by the actual, imagined, or implied presence of others. Trends and findings of current research, and its limitations. Prerequisite: PY 201 or permission. Spring semester.

PY 315 THE HOLOCAUST AND GENOCIDE: A SOCIAL-PSYCHOLOGICAL ANALYSIS (3)

A social-psychological analysis of anti-Semitism, social Darwinism, eugenics and the resulting Holocaust (1939-1945) that staggered the world. Empirical findings and theoretical principles form contemporary social psychology will be used to examine other modern examples of genocide. Periodic offering.

PY 326W RESEARCH METHODS (3)

Principles of psychological research. Research design and analysis of student research projects. Laboratory required. Prerequisite: PY 201 and MA 356. Spring semester.

PY 326L RESEARCH METHODS LABORATORY (1)

Must be taken with PY 326W. Designed to teach data analysis using SPSS for Windows.

PY 336 PHYSIOLOGICAL PSYCHOLOGY (3)

A critical examination of the methods of investigation, theories, and current developments in the field of physiological psychology, including such behaviors as drug use and abuse, hunger and thirst, sleep and dreaming, emotion, learning, memory, sexual behavior and psychopathology. Lab fee required. Prerequisite: PY 201 or permission. Fall semester.

PY 350W PSYCHOLOGY AND CHRISTIAN FAITH (3)

Explores integration of psychological research and Christian faith. Examines potential tensions and resolutions in integrating psychological and Christian approaches to understanding development, maturity, conversion, counseling. Students research an area of the faith experience and attempt a first personal integration of psychology and faith. Prerequisites: three courses in psychology, including PY 201. Fall semester.

PY 358 ABNORMAL PSYCHOLOGY (3)

Study of behaviors categorized as mental illness or mental disorder. Introduction to the DSM-IV and treatment. Pertinent issues in genetic and neurochemical factors, family interactions, and other social relationships examined. Prerequisite: PY 201. Fall semester.

PY 375 ADVANCED PRINCIPLES OF PSYCHOLOGY (4)

Training in group process, leadership styles, and oral presentation skills. Content mastery of topics in scientific principles also is expected. Prerequisite: PY 201 and permission. Spring semester.

PY 394 RESEARCH ASSISTANTSHIP (1-3)

PY 396 TOPICS IN PSYCHOLOGY (1-3)

Selected upper-division topics in psychology. Periodic offering.

PY 423 PRACTICUM IN PSYCHOLOGY (3)

Placement in community agency or organization. Applications of psychological concepts and analysis of individual experiences in a seminar format. Prerequisite: junior or senior Psychology major. Jan Term, even years (Honolulu, Hawaii).

PY 425W LEARNING AND COGNITION (3)

Historical development of learning, major theoretical positions, empirical issues and findings. Seminar format. Prerequisites: PY 201, PY 326 and MA 356. Spring semester.

PY 425L PSYCHOLOGY OF LEARNING LABORATORY (1)

Designed to augment learning class lectures and to provide specific training in operant conditioning. Must be taken with PY 425W. Laboratory fee required. Spring semester.

PY 454 OBSERVATION AND ASSESSMENT (3)

Current issues and methods related to psychological testing and behavioral observation of children, adolescents, and adults. Prerequisites: PY 201 and MA 356. Fall semester.

PY 468 THEORIES OF COUNSELING (3)

Introduction to the field of counseling, including major theoretical orientations: psychoanalytic, behavioral, humanistic/existential. Prerequisites: PY 201 and PY 327. PY 358 recommended. Spring semester.

PY 498W SENIOR RESEARCH (3)

Final learning/evaluation situation for psychology major. Design and carry out independent research project. Seminar format. Prerequisite: PY 201, PY 326, and MA 356. Fall semester.

PY 499 HONORS SENIOR RESEARCH (1)

Students will refine their original Senior Research project for publication in a professional journal or presentation at a regional or national professional conference. Prerequisites: PY 498W and approval of a faculty sponsor. Spring semester.

MA 356 ELEMENTARY STATISTICS (3)

Descriptive statistics, correlation, regression, probability, and inferential statistics. Taught by Psychology Department faculty. Prerequisite: MA 101. Fall semester.

DIRECTED STUDIES

INDEPENDENT STUDIES (191, 192, 291, 292, 391, 392, 491, 492) READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); TEACHING ASSISTANTSHIPS (395, 495); RESEARCH ASSISTANTSHIP (394). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

RELIGION AND PHILOSOPHY

FACULTY: Roger Mohrlang (Chair), Forrest Baird, F. Dale Bruner, Terry McGonigal, Stephen Meyer, Jerry Sittser

REQUIREMENTS FOR A RELIGION MAJOR — B.A. (40)

RE 154	Introduction to the Christian Faith	3
RE 231	Old Testament	3
RE 241	New Testament	3
One of the following:		3
RE 242	Life and Teachings of Jesus	
RE 247	Matthew's Gospel	
RE 250	John's Gospel	
RE 313W	History of Christianity I	3
RE 314W	History of Christianity II	3
RE 323W	Religion in America	3
RE 361	Christian Doctrine	3
One of the following:		3
RE 370	World Religions	
PH 256	Eastern Philosophy	
PH 320W	Philosophy of Religion	
RE 384	Christian Ethics	3
RE 449	Paul's Letters	3
RE 499	Senior Summary	1
Six semester credits selected from the following:		6
RE 316	Christian Missions	
RE 335	Theology of Ministry	
RE 336	Communication in Ministry	
RE 337	Administration in Ministry	
RE 338	Children and Youth Ministry	
RE 339	Evangelism and Discipleship	
RE 393W	Christian Spirituality	
RE 396	Biblical Leadership/Social Change	
RE 490	Internship	
PH 344	Reasons for Faith	

REQUIREMENTS FOR A MINOR IN RELIGION (18)

RE 154	Introduction to the Christian Faith	3
RE 241	New Testament	3
Other Religion courses		12

REQUIREMENTS FOR A MINOR IN BIBLICAL STUDIES (18)

RE 231	Old Testament	3
RE 241	New Testament	3
One of the following:		3
RE 242	Life and Teachings of Jesus	
RE 247	Matthew's Gospel	
RE 250	John's Gospel	

RE 449	Paul's Letters	3
Other Religion courses		6

REQUIREMENTS FOR A MINOR IN CHRISTIAN HISTORY AND DOCTRINE (18)

RE 241	New Testament	3
RE 313W	History of Christianity I	3
RE 314W	History of Christianity II	3
RE 323W	Religion in America	3
RE 361	Christian Doctrine	3
Other Religion courses		3

REQUIREMENTS FOR A MINOR IN CHRISTIAN MISSIONS (18)

RE 241	New Testament	3
RE 316	Christian Missions	3
RE 370	World Religions	3
SO 200	Introduction to Cultural Anthropology	3
Other Religion courses		6

REQUIREMENTS FOR A MINOR IN SPIRITUAL DEVELOPMENT (18)

RE 154	Introduction to the Christian Faith	3
RE 241	New Testament	3
RE 361	Christian Doctrine	3
RE 393W	Christian Spirituality	3
Other religion courses		6

CERTIFICATION FOR MINISTRY

This program is designed to prepare students for entry-level ministry positions in churches and other Christian organizations. Students must apply to enter the program in the spring. Successful completion of the program will result in certification, not in a major or minor in Religion. The program consists of four regular courses, a special course (Theology of Ministry), an internship, a mentoring relationship, and the experience of community with other students in the program.

REQUIREMENTS FOR CERTIFICATION FOR MINISTRY (18)

RE 335	Theology of Ministry	3
RE 336	Communication in Ministry	3
RE 337	Administration in Ministry	3
RE 338	Children and Youth Ministry	3
RE 339	Evangelism and Discipleship	3
RE 490	Internship	3

REQUIREMENTS FOR A PHILOSOPHY MAJOR — B.A. (43)

PH 110	Introduction to Philosophy	3
PH 201	Logic	4

PH 305	History of Ancient Philosophy	3
PH 306W	History of Modern Philosophy	3
PH 320W	Philosophy of Religion	3
PH 340	Epistemology	2
PH 341	Metaphysics	2
PH 351	Philosophical Ethics	3
PH 421	Philosophy of Science	3
PH 499	Senior Thesis	3
Six additional approved semester credits, three of which must be upper-division		6
CO 250	Core 250	4
CO 350	Core 350	4

REQUIREMENTS FOR A PHILOSOPHY MINOR (20)

Twelve approved semester credits, six of which must be upper-division		12
CO 250	Core 250	4
CO 350	Core 350	4

RELIGION COURSES

RE 130 INTRODUCTION TO THE BIBLE (3)
An overview of the entire Bible, with emphasis on literary, historical and theological themes and the diversity and unity within the Bible. Fall semester.

RE 154 INTRODUCTION TO THE CHRISTIAN FAITH (3)
The major beliefs and values of the Christian faith. Spring semester.

RE 196 TOPICS IN RELIGION (1-3)
Selected lower-division topics in religion. Periodic offering.

RE 203 HISTORICAL GEOGRAPHY OF THE BIBLE (3)
The historical and geographical setting of the Bible, involving considerable mapwork. Offered in conjunction with study tours to Israel and Greece. Periodic Jan Terms.

RE 212 THEOLOGY AND ECOLOGY (3)
Biblical perspectives on environmental issues; involves living in community at Tall Timber Ranch in the Cascade Mountains. Periodic Jan Terms.

RE 231 OLD TESTAMENT (3)
The content and theology of the Old Testament in light of its literary, historical, and religious background, with a view to gaining a good working knowledge of the Old Testament. Fall and spring semesters.

RE 241 NEW TESTAMENT (3)
The content and theology of the New Testament in light of its literary, historical, and religious background, with a view to gaining a good working knowledge of the New Testament. Special focus on Jesus Christ, the gospel, and the Christian life. Fall and spring semesters, Jan Term.

RE 242 LIFE AND TEACHINGS OF JESUS (3)
The pivotal events and major teachings of Jesus as recorded in the Gospels, and their relevance to today. Fall semester.

RE 247 MATTHEW'S GOSPEL (3)
Lectures on Matthew's Gospel, chapter by chapter, in the hope that the Gospel's contents will become a vital part of the student's life. Jan Term, spring semester.

RE 250 JOHN'S GOSPEL (3)
Lectures on John's Gospel, chapter by chapter, in a search to understand Jesus and life with him through John's spiritual optic. Fall and spring semesters.

RE 296 BIBLICAL LEADERSHIP AND SOCIAL CHANGE (3)
An exploration of biblical and contemporary perspectives on creative leadership and social change, focusing on ministry challenges and urban problems. JanTerm, spring semester.

RE 311 NEW TESTAMENT GREEK I (4)
The basic vocabulary and grammar required for reading the Greek New Testament. An intensive course. Fall semester, odd years.

RE 312 NEW TESTAMENT GREEK II (4)
Translation of the Epistles of John and selected passages from the Gospel of John and other New Testament books in Greek. An intensive course. Completion of RE 311 and RE 312 satisfies the Modern Language requirement. Prerequisite: RE 311. Spring semester, even years.

RE 313W HISTORY OF CHRISTIANITY I (3)
The history and thought of the Christian Church from its beginning to the dawn of the Reformation. Fall semester.

RE 314W HISTORY OF CHRISTIANITY II (3)
The history and thought of the Christian Church from the beginning of the Reformation to the present. Spring semester.

RE 316 CHRISTIAN MISSIONS (3)
The biblical basis and history of the worldwide Christian movement, the lives of great missionaries, and recent developments around the world. Cultural problems; analysis of different missions; opportunities for mission work today. Fall semester, even years.

RE 323W RELIGION IN AMERICA (3)
The major themes, movements, problems, people and institutions in American Christian history, with emphasis on historical development. Spring semester.

RE 335 THEOLOGY OF MINISTRY (3)
The exploration of what ministry is from biblical and cultural perspectives. Fall semester. By permission only.

RE 336 COMMUNICATION IN MINISTRY (3)
The study and practice of communication in ministry, including preparation and delivery of messages, audience analysis, and small group leadership. Spring semester. By permission only.

RE 337 ADMINISTRATION IN MINISTRY (3)
The investigation of how to manage the details of ministry. Attention given to assessing needs, setting goals, planning activities, managing budgets, and implementing programs. Fall semester. By permission only.

RE 338 CHILDREN AND YOUTH MINISTRY (3)
The study of ministry to children and adolescents, emphasizing stages of development, working with families, providing Christian educa-

tion, developing a philosophy and strategy, and building disciples. Spring semester. By permission only.

RE 339 EVANGELISM AND DISCIPLESHIP (3)

The study of the theology and practice of evangelism, with special emphasis on modern culture, models of ministry for church and marketplace, and discipleship in family, community, vocation, and world. Fall semester. By permission only.

RE 361 CHRISTIAN DOCTRINE (3)

A seminar study of the crucial doctrines of the Christian faith and their implications for today. Fall semester.

RE 370 WORLD RELIGIONS (3)

A survey of world religions, and an analysis of contemporary religious movements (e.g. Mormonism, the New Age movement, and Islamic fundamentalism). Fall semester.

RE 384 CHRISTIAN ETHICS (3)

The sources and norms of Christian ethics, the importance of a Christian world view, and how biblical principles relate to a wide variety of ethical problems today. Spring semester.

RE 393W CHRISTIAN SPIRITUALITY (3)

The history, theology, and practice of spirituality, and its implications for life today as we worship, work, build friendships, and play. Jan Term.

RE 396 TOPICS IN RELIGION (1-3)

Selected upper-division topics in religion. Periodic offering.

RE 449 PAUL'S LETTERS (3)

A detailed study of the Pauline Epistles, with primary focus on Paul's theology and ethics; development of exegetical skills and hermeneutical understanding. Prerequisite: RE 241. Fall semester.

RE 490 INTERNSHIP (3)

A supervised experience of ministry in a local church or Christian organization. The internship will require mentoring, service, reflection and study.

RE 499 SENIOR SUMMARY (1)

Reflection, discussion, and writing intended to help students integrate the various elements of their theological training and think analytically about their future ministry and how to prepare for it. To be taken spring semester of student's senior year.

PHILOSOPHY COURSES

PH 110 INTRODUCTION TO PHILOSOPHY (3)

The great thinkers and ideas of the philosophical tradition. Treatment of subjects such as logic, metaphysics, epistemology, and political philosophy and different world views. Emphasis on both critical and constructive thinking. Fall semester.

PH 196 TOPICS IN PHILOSOPHY (1-3)

Selected lower-division topics in philosophy. Periodic offering.

PH 201 LOGIC (4)

The formal nature of logical thought and the informal, practical application of critical thinking to the analysis of arguments. Includes sections on arguments and fallacies in ordinary language, syllogistic arguments and symbolic logic. Spring semester.

PH 208 MONEY, SEX AND POWER (3)

An examination of the proper roles of these three issues, using the works of Marx, Freud, Nietzsche and several Christian thinkers. Emphasis on personal response and interaction with these issues. Periodic Jan Terms.

PH 256 EASTERN PHILOSOPHY (3)

A study of the major schools of Eastern philosophy with emphasis on Chinese thought. Meets Multicultural requirement. Fall semester, even years.

PH 261 C.S. LEWIS (3)

The thought of C.S. Lewis as found in his philosophical, theological and imaginative works and the interconnections between those works. Critical evaluation of Lewis' ideas and application of those ideas to contemporary issues. Fall semester, even years.

PH 305 HISTORY OF ANCIENT PHILOSOPHY (3)

The development of philosophical ideas from the Pre-Socratics to the Middle Ages using primary source readings. Special emphasis on Plato's and Aristotle's ideas on the major issues of life. Fall semester, two of every three years.

PH 306W HISTORY OF MODERN PHILOSOPHY (3)

The development of philosophical ideas from Descartes to the nineteenth century using primary source readings. Figures studied include Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, Kant. Spring semester, two of every three years.

PH 320W PHILOSOPHY OF RELIGION (3)

The place of reason in faith. Issues addressed include classical arguments for and against the existence of God, the relationship of faith and reason, and the nature of religious language, miracles, and immortality. Recommended prerequisite: Core 250. Spring semester, odd years.

PH 340 EPISTEMOLOGY (2)

The nature and limits of knowledge. Focus on contemporary issues raised in recent books and journals. Recommended prerequisites: PH 305 or PH 306, or CO 250. Fall semester, odd years.

PH 341 METAPHYSICS (2)

The ultimate nature of reality. Focus on contemporary issues raised in recent books and journals. Fall semester, odd years.

PH 344 REASONS FOR FAITH (3)

An examination of the evidence for the existence of God, the reliability of the Bible, and the claims of Jesus Christ from a philosophical point of view. Periodic offering.

PH 351 PHILOSOPHICAL ETHICS (3)

The nature of moral judgments and values. Examination of the criteria on which ethical decision making is based and the nature of the good life. Spring semester, even years.

PH 353 EXISTENTIALISM (3)

The major representatives and ideas of existentialism from a philosophical point of view. Includes discussion of literary, artistic and religious themes. Fall semester, even years.

PH 396 TOPICS IN PHILOSOPHY (1-3)

Selected upper-division topics in philosophy. Periodic offering.

PH 421 PHILOSOPHY OF SCIENCE (3)

An examination of various views of scientific rationality. Issues covered include the nature of induction, scientific laws, realism/anti-realism debate. Contemporary philosophers of science such as Ayer, Hempel, Popper, Polanyi, Kuhn, Lakatos, Feyerabend, Rorty. Fall semester, even years.

PH 435 SOCIAL AND POLITICAL PHILOSOPHY (3)

An examination of the classical texts in political and economic philosophy from antiquity to the present. Special emphasis on identifying political philosophy implicit in contemporary political arguments. Spring semester, odd years.

PH 499 SENIOR THESIS (3)**DIRECTED STUDIES**

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

SOCIOLOGY

FACULTY: Robert A. Clark (Chair), Donald H. Liebert, Raja S. Tanas

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY - B.A. (40)

SO 120	Social Reality: Introduction to Sociology	3
SO 338	The Computer & Statistical Analysis in Sociology	3
SO 378	Social Theory	3
SO 379	Social Research	4
Total elective credits:		27

All 27 elective credits may be taken from the Sociology Department or up to 9 of these 27 elective credits may be fulfilled by advisor-approved courses from the following departments:

Economics, Political Studies, History (Social Science only), and Psychology

A course in elementary statistics (MA 356) is the recommended general education science course for a Sociology major and will count as one of the Sociology electives.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY (15)

SO 120	Social Reality	3
Four additional courses in Sociology chosen in consultation with sociology advisor:		12

MULTIPLE TRACKS WITHIN THE MAJOR/MINOR:

The department curriculum reflects the breadth of the sociology discipline and responds to the variety of students' interests. The curriculum addresses the educational objectives of students who wish to: 1) study for

advanced degrees in sociology as preparation for careers in teaching or research; 2) apply sociology in the professions such as ministry, law, or urban planning; 3) apply sociology in public policy or social service agency work; 4) utilize sociology to contribute to majors in other disciplines such as psychology, education, history, political science, international studies, or business; 5) learn the ways in which the sociological imagination can increase and enrich one's participation in society. These different objectives may suggest different courses or combinations of courses; students thinking about majoring or minoring in the department should consult an advisor early in their decision process.

REQUIREMENTS FOR SOCIOLOGY AS A SECOND TEACHING FIELD (21-22) (4-12 endorsement)

Group Behavior:

SO 120	Social Reality	3
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Social Institutions - Two of the following courses from either section:

American Social Institutions

SO 243 Contemporary Marriage

SO 258W Sociology of Work and Leisure

SO 434W Family Issues Seminar

SO 443W Sociology of Religion

Multicultural Social Institutions

SO 200 Introduction to Cultural Anthropology

SO 244 I Corinthians

SO 238W Sociology of Middle Eastern Society

SO 307 Contemporary Latin American Problems

SO 311W The Family

SO 318 Rich and Poor in Central America

Social Process; Two of the following courses:

SO 275 Population

SO 283 Deviant Behavior

SO 310W Interpretations of Modern Society

SO 362 Development and the Institutional Structure of Central America

SO 365W Urban Communities

SO 370 Juvenile Delinquency

SO 371 Introduction to Social Services

SO 372 Social Intervention Strategies

SO 423 Sociology of Wealth and Poverty

Theory and History of Sociology

SO 378 Social Theory

Social Research; One of the following courses:

SO 379 Social Research

SO 338 The Computer and Statistical Analysis in Sociology

SO 346 Exploring Central America: Methodology and Comparative Sociology

SOCIOLOGY COURSES

SO 120 Social Reality: Introduction to Sociology is a prerequisite for all upper-division sociology courses.

SO 120 SOCIAL REALITY: AN INTRODUCTION TO SOCIOLOGY (3)

Introduction to the sociological way of looking at our world. Exploration of the many concepts, theories and research findings related to social reality. Examination of the organization and disorganization of social life in such areas as sexual and racial inequality, individual socialization, social control, social stratification, intergroup relations, deviance, family and religion in changing societies and cultures. Fall and spring semesters.

SO 196 TOPICS IN SOCIOLOGY (1-3)

Selected lower-division topics in sociology. Periodic offering.

SO 200 INTRODUCTION TO CULTURAL ANTHROPOLOGY (3)

This course has two basic objectives: to develop a framework for understanding other cultures and to learn skills to communicate that understanding. Through a systematic investigation of the nature of culture and a comparative study of cultures and peoples known to humankind at the present time, it is expected that we can better understand ourselves and the social world around us. Fall semester.

SO 238 SOCIOLOGY OF MIDDLE EASTERN SOCIETY (3)

An overview of geography, history, demographic characteristics, social stratification, political behavior, socio-religious institutions, revolutionary change, problems of diversity, complementarity, and integration in the peoples and cultures of the Middle East, including the Palestinian-Israeli conflict; the gulf crisis and its aftermath; the Middle East and international inequality; and prospects for peace and the future. Spring semester and summer term.

SO 243 CONTEMPORARY MARRIAGE (3)

An examination of male-female relationships in the context of young adulthood and marriage. Sociological research and value perspectives are used to understand and interpret such issues as changing gender roles, singlehood, mate selection, commitment, careers and marriage, diverse marriage styles, communication and conflict, divorce and remarriage. Attention is given to theological reflections on the nature, problems, and strengths of marriage today. Spring semester.

SO 244 I CORINTHIANS (3)

Explore the past and present impact of Paul's group letter. Examine relations between the groups Paul addressed: rich and poor, old and young, male and female, Jew and Greek, single and married, intellectual and simple, slaves and masters. An understanding of the context of both beloved and controversial scriptures brings Paul's words to life, gives us a basis for understanding people different from ourselves and provides a model for interpreting the epistle literature of the New Testament. Jan Term.

SO 258W WORK AND LEISURE (3)

The investigation of work and leisure is crucial to understanding both the patterns of a society and the implications of personal life-style choices. The course will concentrate on the changes and cultural differences in work/leisure patterns and values. Attention will

be given to the character and clash of work/leisure life-styles in the family, the occupational order, the non-work culture, and tourism. A good foundation for making decisions about vocation and avocation. Fall semester.

SO 275 POPULATION (3)

In this course the social phenomena that are likely to affect, or be affected by, the size, distribution, processes, structure, and composition of populations are explored. Students are expected to become literate in demographic theory and concepts in the areas of fertility, mortality, and migration. Students will also become knowledgeable about demographic data sources and analysis, and adept at interpreting the interrelationships between population changes and social, economic, environmental and political changes. Jan Term.

SO 283 DEVIANT BEHAVIOR (3)

This course examines deviant behavior and the efforts to control it. Focus is on the nature, causes, and consequences of deviance and crime, from drug abuse and suicide to homosexuality and corporate crime. A critical analysis of the criminal justice system is included. Religious perspectives on deviance and social control are explored. Field research required. Prerequisite: SO 120 recommended. Spring semester.

SO 307 CONTEMPORARY LATIN AMERICAN PROBLEMS (3)

Explore the wide range of problems facing Latin American societies based on the underdevelopment of their past. Take a thematic approach focusing on subjects as diverse as the military, peasants, Indians, U.S. foreign policy, multinational corporations, urbanization, and education. Build an understanding of Latin America using the resources of sociology. Fall semester.

SO 310W INTERPRETATIONS OF MODERN SOCIETY (3)

Interpretations of modern American society and culture are examined in this seminar, with particular focus on issues of individualism and community. What is the good society? How does our society compare to that ideal? This is an effort to understand and evaluate modernity and to develop personal visions of the good society as a basis for responsible action. Prerequisite: SO 120. Jan Term.

SO 311W THE FAMILY (3)

This course analyses family, kinship, and marriage in societal context. Human families in their many forms are examined cross-culturally and historically; primary emphasis is upon the changing shape and character of American families today. The impacts of class, race, and values on family life are explored. Special focus is on parent-child relations and the problems of children in American families. Prerequisite: SO 120. Fall semester.

SO 318 RICH AND POOR IN CENTRAL AMERICA (4)

An extended experience living with families in two different Central American countries will provide data for examining the issues, obstacles, causes and life chances of the poor. Interaction between the United States and third-world countries will be investigated. The dynamics of poverty and peasant life and resultant world views will be explored. Observation of the nature of life in Central America and the contrast of that life with the patterns of the United States. Prerequisite: SO 307. Every third spring semester in Central America.

SO 338 THE COMPUTER AND STATISTICAL ANALYSIS IN SOCIOLOGY (3)

Learn how to use the computer to do statistical analysis. Become familiar with some basic statistical procedures and develop skills ranging from simple tasks of data entry, data management, data transformation, defining data files and file editing to more complex tasks of univariate, bivariate, and multivariate statistical data analysis. Hands-on experience using the SPSS software. Prerequisite: SO 120. Spring semester and summer term.

SO 346 EXPLORING CENTRAL AMERICA: METHODOLOGY AND COMPARATIVE SOCIOLOGY (4)

Sociological methods and concepts will be used in a comparative study of Central American and U.S. society and culture. Ethnography will be a beginning place for developing cross-cultural understanding. The field setting will make it possible for tentative explanations of behavior to be tested, modified and discarded on a daily basis. Openness to a wide variety of points of view and to contradictory data will require the development of critical thinking skills. Every third spring semester in Central America. Prerequisite: SO 307.

SO 362 DEVELOPMENT AND THE INSTITUTIONAL STRUCTURES OF CENTRAL AMERICA (3)

Work experience with agencies such as Habitat for Humanity and exposure to a wide variety of underdeveloped communities will provide a basis for examining Central American development. We will explore the impact on development of institutions such as religion, politics, economic institutions, education, the arts, and leisure as well as public and private agencies, and foreign aid. Examine the impact of development on the individual, the family, the community, the municipality, the nation and the region. Prerequisite: SO 307. Every third spring semester in Central America.

SO 365W URBAN COMMUNITIES (3)

Develop skills for understanding today's urban world. Explore the development of the city, patterns of urban settlement, the influence of urban environment upon group life and individual personality, the pathology and possibilities of urban life and social aspects of urban planning. Examine the situation of the "truly disadvantaged" and learn how to explore an urban subculture. The real city as a learning laboratory: literature, games, guests, movies, field trips, class TV studies, and field projects. Prerequisite: SO 120. Spring semester.

SO 370 JUVENILE DELINQUENCY (3)

The class will review prominent theories on delinquency causation and will use these theories to understand case examples of people who exhibit delinquent behavior. A first-hand introduction to the components, agencies, programs, and trends in the juvenile justice system will move from theory to more pragmatic concerns. Prerequisite: SO 120. Every third semester.

SO 371 INTRODUCTION TO SOCIAL SERVICES (3)

A study of the basic principles and practices in modern casework, community organization, and social work agencies. Community and agency responses to social welfare problems will be investigated with special attention to child abuse and neglect, family assaults, and rehabilitation programs. Prerequisite: SO 120. Every third semester.

SO 372 SOCIAL INTERVENTION STRATEGIES (3)

The class will begin by examining the approach and methods of

community organization designed to mobilize people to respond to social concerns and conditions. Strategies and skills used by individuals and groups planning social interventions will be studied and will then be selectively used in a class project. Prerequisite: SO 120. Every third semester.

SO 378 SOCIAL THEORY (3)

Learn how to think like a sociologist. Awe at seeing how great minds have invented explanations of social behavior will lead to the fun of creating understanding of our own. Classical sociologists will suggest many different ways of looking at society and will stimulate student theory building. Sociology as an art form, as an intellectual game, and as a creative and useful science will be both more meaningful and enjoyable after this exposure. Prerequisite: SO 120 and one other Sociology course. Fall semester.

SO 379 SOCIAL RESEARCH (4)

Designing, conducting and interpreting research is an essential skill required of many modern occupations. In this class in organized curiosity you will receive experience in social research by participating in the design and implementation of a class research project. Valuable skills in problem formulation, research design, measurement, questionnaire construction, interviewing, data collection and analysis will be gained as you encounter these issues in our class research project. Prerequisite: SO 120 and two other Sociology courses. Spring semester.

SO 396 TOPICS IN SOCIOLOGY (1-3)

Selected upper-division topics in sociology. Periodic offering.

SO 423 SOCIOLOGY OF WEALTH AND POVERTY (3)

Analysis of cultural and social structural processes which bring about social inequality and stratification. Examination of life chances and lifestyles of the privileged and underprivileged and exploration of the relationship between public policy and the situation of the rich and the poor. Prerequisite: SO 120. Fall semester.

SO 434W FAMILY ISSUES SEMINAR (3)

This seminar is an intensive examination of a selected issue in the area of family and marriage. Together we investigate relevant research, theory, interpretations, and social policies. The current topic is The Divorce Revolution, with focus on the nature and impact of divorce, single-parent families, remarriage, and step-families. Prerequisite: SO 120. Periodic offering.

SO 443W SOCIOLOGY OF RELIGION (3)

How can one make sense of religion? A variety of theoretical and methodological "ways of looking" will be used in an attempt to understand religious behavior. Religion will be explored both as it is affected by its social context and as it affects society. Sociology has been seen as both a serious threat to cherished religion and as a valuable tool for ministry. Both tensions and conversations between Christianity and Sociology will be examined. Prerequisite: SO 120. Spring semester.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

THEATRE

FACULTY: Rick Hornor (Chair), Diana Trotter

REQUIREMENTS FOR A THEATRE MAJOR — B.A. (40)

All tracks require the following core courses	22
TA 231 Performance Theory & Practice: Interpretation	3
TA 270 Stage Makeup	1
TA 273 Acting I	3
TA 275 Technical Theatre	3
TA 361W Fundamentals of Directing	3
TA 476W History of Theatre I	3
TA 477W History of Theatre II	3
TA 494 Senior Performance	3

PERFORMANCE TRACK:

Required core courses	22
TA 1/2/3/446 Technical Production Crew	2
TA 279 Voice for the Performer	3
TA 473 Acting II	3
10 additional advisor-approved credits in Theatre	10
(note: Performance Track students may substitute TA 375 for TA 275)	

TECHNICAL THEATRE TRACK:

Required core courses	22
TA 375 Technical Theatre	3
AR 101 Drawing I	3
AR 120 Design I	3
AR 220 Design II	3
Two courses in Art History from	6
AR260/360W History of Ancient Art	
AR261/361W History of Renaissance/Baroque Art	
AR262 History of Multicultural Art	
AR263/363W History of Modern/Contemporary Art	
AR264/364W History of Medieval Art	

REQUIREMENTS FOR A THEATRE MINOR (18)

Credits approved in advance by Theatre advisor	18
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REQUIREMENTS FOR DRAMA AS A SECOND TEACHING FIELD (20)

(4-12 endorsement)

TA 231 Performance Theory & Practice: Interpretation	3
TA 270 Stage Makeup	1
TA 361 Directing	3
TA 1/2/3/446 Technical Production Crew	1
One of the following:	3
3 semester credits in theatre production	
TA 255 Story Theatre	
TA 273 Acting I	
TA 348 Chamber Theatre	
One of the following:	3

TA 275 Technical Theatre (Set Construction)	
TA 375 Technical Theatre (Lighting)	
One of the following:	3
TA 277 Mime and Movement	
TA 320/ED 509F Theatre Games for the Classroom	
TA 372 Storytelling	
TA 373/ED 509E Creative Dramatics for the Classroom	
One of the following:	3
TA 476W History of Theatre I	
TA 477W History of Theatre II	

THEATRE COURSES

TA 130, 230, 330, 430 PRIVATE LESSONS (1-2)

Individual instruction arranged with members of the Theatre faculty in improving the speaking voice, interpretation, acting or pantomime. All theatre majors must enroll for private lessons concurrently with TA 494, Senior Performance. Arrangements by non-majors must be made with the department before registering for private lessons. Fee in addition to tuition. Fall and spring semesters.

TA 145, 245, 345, 445 THEATRE PRODUCTION (1-2)

Instruction and performance on-stage or backstage in a major theatre production. Repeatable for credit to a maximum of 6 semester credits. Amount of credit is based upon size of role or task and quality of performance. Students must audition for a role in a production. Students do not register for credit in Theatre Production until after a successful audition or permission is granted for backstage work. Graded Satisfactory/Not Satisfactory. Fall and Spring semesters.

TA 146, 246, 346, 446 TECHNICAL PRODUCTION CREW (1)

Instruction and working on crews that may include set building, lighting, makeup or costuming. Work will be backstage in Main Stage and Stage II productions. Graded S/NS. Fall and spring semesters.

TA 196 TOPICS IN THEATRE (1-3)

Selected lower-division topics in theatre. Periodic offering.

TA 230 - TA 130

TA 231 PERFORMANCE THEORY & PRACTICE: INTERPRETATION (3)

The art of making literature come alive. Vocal expressiveness and creativity in communicating ideas and feelings from the printed page are applied to short stories, novels, poems, and plays. Through analysis, class participation and performance the student will develop an intellectual and emotional understanding of the major literary genres. Through exercises in characterization, imagery and placement the student will demonstrate an understanding of the physical responsiveness as performer. This is a solo performance using the voice and the body as a unified whole to communicate literature to an audience and gain the desired response. Enrollment is limited to 20 students. Not to be taken concurrently with TA 273. Fall and spring semesters.

TA 245 - SEE TA 145

TA 255 STORY THEATRE (3)

The course combines the art forms of interpretation and pantomime in the performance of stories which have been adapted for stage presentation, employing the technique developed by Paul Sills. In addition to instruction in interpretation and pantomime, students

will learn to identify suitable literature, adapt it for performance, and produce functional scripts. An improvisational approach is encouraged. Jan Term, periodic.

TA 270 STAGE MAKEUP (1)

An introduction to the art of stage makeup in which students plan and apply makeup for old age, straight and use special effects such as putty and crepe hair. The lab experience includes brief explanations and demonstrations. Enrollment is limited to 16 students. Spring semester, evening.

TA 271 RELIGIOUS THEATRE (3)

Students study art forms suitable for worship, including formal and informal theatre. Participants will evaluate materials appropriate for performance in various church services. They will then select, stage and perform programs for a religious setting. Touring may be a component of this class, in which case enrollment would be by audition only. Periodic offering.

TA 273 ACTING I (3)

Creative experiences in applying and controlling sensory and emotional aptitudes will help the student to live truthfully under the imaginary circumstances of a play. Based on Stanislavski's theories, the course is a beginning study of the process of performance. The objectives are that the student will become an "intelligent actor," able to take a script, develop a character and respond to a director's coaching. Assignments are selections from literature from different historical periods; thus, students learn something of changes in acting styles as determined by the period in which the play was written. Acting is a performance course. Enrollment is limited to 20 students, allowing for frequent performances and individual instructor attention. Not to be taken concurrently with TA 231. Fall and spring semesters.

TA 275 TECHNICAL THEATRE I (3)

Instruction and laboratory experience in set design and construction and involvement in the concurrent theatre productions exposes the student to practical backstage experience. The course includes an introduction to the basic building techniques used in theatre; elementary proficiency in the use of hand tools, hand power tools, and standing power tools; explanation of basic design elements in scenic design; introduction to the types of paint used in theatre and application techniques; basic rigging procedures including knots; different types of counterweight systems, and safety. Fall semester.

TA 276 IMPROVISATIONAL ACTING (3)

In the process of becoming "stage worthy," students learn exercises and techniques leading to self-discovery in the releasing of creative potential. Students experience problem-solving games and activities and are given opportunities to participate in and contribute to a healthy group relationship. Performance before various audiences. Periodic offering.

TA 277 MIME AND MOVEMENT (3)

The "Theatre of Silence." Students study mime and movement techniques that will include creating an image, moving illusions, characterization, script writing, and performance. Each class session begins with isolation and motion exercises. Periodic offering.

TA 279 VOICE FOR THE PERFORMER (3)

Students will learn to identify and overcome vocal abuse and faulty articulation habits, which are barriers to creative expression. Training

for the effective use of the speaking voice for public performance. Study of mechanical aspects of voice production. Development of skill in vocal variety, diction, phonetics, and projection appropriate for various audiences. Individualized and group instruction through exercises designed to train students to hear and produce effective speech. Regular oral presentations allow students to practice and develop competency. Audio- and video-taping of students' presentations are used to diagnose and monitor progress. Students are encouraged to participate in the critique of their peers as a means of training to hear ineffective use of the voice. Enrollment limited to 15 students. Spring semester.

TA 300 BRITISH CULTURE THROUGH THEATRE (3)

For three weeks in London, attend theatre performances and seminars introducing the student to the various aspects of English theatre and British culture. There are opportunities to meet directors, actors, theatre critics and other personalities. Day-long excursions to Stratford-upon-Avon and other relevant locations are scheduled. Students are required to visit museums, art galleries, cathedrals, universities, and other places of historical and cultural significance, as well as the 10 chosen theatre events. Preliminary instruction in the structure and content of drama is provided on campus prior to January. Performance analysis of each play is conducted as well as a post-performance review. A journal registering the student's activities, personal reflections, and responses to the people, the culture, and the theatrical performances is a significant requirement. Priority will be given to junior/senior students. Graded Satisfactory/Not Satisfactory. Jan Term, even years.

TA 320/ED 509.6 THEATRE GAMES FOR THE CLASSROOM TEACHER (3)

Theatre games go beyond the theatrical to nurture skills and attitudes that are useful in every aspect of learning and life. Learn creative exercises and develop expertise in developing and coaching theatre games in elementary and secondary classrooms. Summer, odd years.

TA 330 - SEE TA 130

TA 338W PERFORMANCE THEORY & PRACTICE: SACRED TEXTS (3)

Highly recommended for students interested in working in Christian theatre, the ministry, religious education, or anyone seeking a dynamic experience with Scripture, this class is designed to explore the art of communicating and performing the Bible and other literature with sacred themes. The class will explore Max Harris' theory that the Bible is best understood as a work that must be continually re-enacted to be experienced in all its fullness. Through performances, voice and body work, literary analysis, class discussions and workshops by guest artists, students will discover what it means to bring this material to life through the art of interpretation. By permission. Periodic offering.

TA 345 - SEE TA 145

TA 348 CHAMBER THEATRE (3)

Learn new performing techniques for prose literature that take advantage of all of the theatrical devices of the stage without sacrificing the narrative elements of the literature. One-third of the course will be devoted to understanding the background and techniques of chamber theatre; one-third to selection of literature and script-making; and one-third to rehearsal and performance of the scripts developed in the course. Since it is more effective to learn theory

through practice, the time frame suggested will allow some of the activities and learning to occur concurrently rather than sequentially. Periodic offering.

TA 361 FUNDAMENTALS OF DIRECTING (3)

The technical aspects of directing include play selection, casting, blocking, emphasis on characters, picturization, composition, rhythm. The student will study, then apply these techniques by staging a short production for a public audience — from play selection to auditions, casting, preparing a director's script, and rehearsing. Prerequisites: TA 231 and TA 273. Fall semester, even years.

TA 372 STORYTELLING (3)

The student will learn what makes a good story and how to prepare it for telling. In developing the skill of the folk art of storytelling, attention is directed to the body of literature originally preserved by retelling, including folk tales, fairy tales, chants, legends, myths and hero tales. Experience in the presentation of characters, narratives, and images will help to bring the story alive. Development of skill is acquired through practical experience in the telling of stories before the class and other audiences. Periodic offering.

TA 373/ED 509.5 CREATIVE DRAMATICS FOR THE CLASSROOM (3)

The creative drama teacher will gain a knowledge of the artistic process of theatre and drama as a foundation for teaching children spontaneous playmaking. The course is an introduction to the theory and practice of creative drama applicable to any age group or population. The purpose of creative dramatics is for the growth and development of the players rather than for the entertainment of an audience. Emphasis will be on classroom techniques with implications for a long-term program. Summer term, even years.

TA 374 CHILDREN'S THEATRE (3)

Use your energy and imagination as a member of a formal production for young audiences. Touring may be a component of this class. By audition only. Periodic offering.

TA 375 TECHNICAL THEATRE II (3)

Students will receive instruction and laboratory experience in stage lighting and sound and be involved concurrently in theatre productions. Study includes an introduction to various types of theatrical lighting instruments; basic explanation of optics and reflectors; basic electricity and safety in theatre application; theories of lighting design, including their advantages, disadvantages and combinations; use of color in light; introduction to control history, practical use, and possibilities, and preparation of a light plot for various types of stages. Spring semester.

TA 396 TOPICS IN THEATRE (1-3)

Selected upper-division topics in theatre such as auditioning and resumes, period styles in acting, ethnic theatre, ritual and performance theory. Prerequisites: TA 231 and TA 273. Periodic offering.

TA 430 - SEE TA 130

TA 445 - SEE TA 145

TA 473 ACTING II (3)

This course surveys acting styles by performing literature from different historical periods: Greek and Shakespearean tragedy, comedy of manners or farce, realism and post-realism. The actor's task

is to discover, adopt and play the right "mask" by analyzing not only the language and context of the text, but also the social and cultural environments of the text. Prerequisites: TA 231 and TA 273. Spring semesters.

TA 476W HISTORY OF THEATRE I (3)

Students study the literature and manner of presentation of Greek, Medieval English Renaissance and Restoration, and French Neo-Classical theatre. By identifying unifying threads that run through theatre history, students will discuss patterns in the relationship between the church and the theatre. Students will read dramatic literature characteristic of historical periods and discuss methods of production typical of different periods. In this literature-based course, students are expected to do a great deal of independent research. Fall semester, odd years.

TA 477W HISTORY OF THEATRE II (3)

Students study the literature and manner of presentation of European and American theatre of the 18th, 19th and 20th centuries. By identifying unifying threads that run through theatre history, students will discuss patterns in the relationship between the church and the theatre. Students will read dramatic literature characteristic of historical periods and discuss methods of production typical of different periods. In this literature-based course, students are expected to do a great deal of independent research. Spring semester, even years.

TA 481, 482 PROJECTS IN THEATRE (1-2)

Projects in performance or research provide an opportunity for students to arrange for individual instruction in some aspect of theatre arts which is not available in regularly scheduled courses but has particular significance in that student's program. It may be a requirement for admission to a particular post-graduate course of study or it may be essential to a particular emphasis of an individual student's course of study. The project is proposed by the student and refined in consultation with the professor. Feasibility and appropriateness must be approved by the departmental faculty. Prerequisites: completion of a minimum of four courses, two of which must be upper division. Fall and spring semesters.

TA 494 SENIOR PERFORMANCE (3)

The Senior Performance is the capstone experience for the Theatre major. It may involve the selection, development, and performance of a significant one-person or two-person show, the directing of a play, or the design and implementation of sets and lights for a main stage production during the senior year. The proposal for the senior performance must be approved by the department faculty at least one semester prior to registering for TA 494. Prerequisites: senior status and private lessons (TA 440) concurrently. Fall and spring semesters.

DIRECTED STUDIES

INDEPENDENT STUDY (191, 192, 291, 292, 391, 392, 491, 492,); READINGS (386, 486); COOPERATIVE EDUCATION/ INTERNSHIPS (290, 390, 490); FIELD STUDIES (180, 280, 380, 480); AND TEACHING ASSISTANTSHIPS (395, 495). SEE PAGE 92 FOR DETAILS REGARDING THESE STUDIES.

Directed Studies

INDEPENDENT STUDY (NUMBERED 191, 192, 291, 292, 391, 392, 491, 492, 591, 592)

Special projects may be undertaken on a tutorial basis by well-qualified students. Department approval of proposals is based upon the following criteria:

- 1) the student has demonstrated readiness for independent work;
 - 2) no regular course covers the project materials; and
 - 3) a regular full-time faculty member agrees to supervise the study.
- 4) Students should take no more than twelve credits of independent study during the total college career and ordinarily no more than three per semester.

Students are to submit proposals with the signatures of the faculty supervisor and the department chair to the Registrar's Office by the seventh class day of each of the long semesters in which the study is taken. During Jan Term and summer terms, proposals must be submitted by the fourth class day.

READINGS (NUMBERED 386,486)

If the study is primarily a review of literature, the "readings" designation may be given. This type of study might be preparatory work for a research paper, particularly at the graduate level.

TEACHING ASSISTANTSHIP (NUMBERED 395, 495)

For the advanced major in a discipline (junior standing required). If a faculty member feels a student has sufficient maturity in his or her field, the student may be offered the opportunity to assist in the teaching process. Responsibilities vary and may include the following: grading of papers and examinations; preparation of lectures, exams or experiments; tutorial assistance and discussion-group leadership; occasional lecture responsibility for the very mature student. This sort of responsibility falls into the "honors" category at Whitworth and is available only to the exceptional student.

DIRECTED STUDIES: COOPERATIVE EDUCATION/INTERNSHIPS & FIELD STUDIES

A vital part of any liberal arts education is the integration of classroom studies with working environments off campus. All Whitworth students are encouraged to prepare for later employment through training in the professional community. Through these programs, students may earn academic credit by integrating classroom studies with actual work experience and can build job search skills that prepare them for future employment. Cooperative Education/Internship and Field Study placements are available in all departments of the college. Information and guidance are provided by the Cooperative Education/Internship and Field Study Office.

FIELD STUDY (NUMBERED 180, 280, 380, 480)

This program provides the opportunity to explore a particular career area in any field of interest. The program is an observational, exploratory, hands-on type of experience. Students may participate at any time, from the second freshman semester through the senior year.

COOPERATIVE EDUCATION AND INTERNSHIPS (NUMBERED 290, 390 AND 490)

Cooperative Education and Internships at Whitworth College are intended to integrate classroom learning with professional work experience as a valuable part of each student's college education. Placements are directly related to students' major programs of study. This experiential learning cannot be replicated in a structured classroom environment and helps prepare students for the world of work. The Cooperative Education/Internship title is reserved for second-term freshmen and all sophomores, juniors and seniors.

International and Multicultural Education

Knowledge of a world culture other than one's own is a major learning goal at Whitworth. The college offers a wide variety of international and multicultural courses involving travel in order to provide the best opportunity for students to live and learn in vastly different cultural settings. In these off-campus settings, students acquire understanding which helps form their value systems, priorities and commitments to serve a world in need. Participants return better prepared to live in an interdependent world.

Whitworth's goal is to ensure that all students who wish to do so are able to study a different culture on location, abroad or elsewhere in America. The Office of Off-Campus Studies assists students in planning and executing their international and multicultural study programs. Working with an expanding network of partner universities and institutions in the U.S. and throughout the world, the center provides programs for both individuals and groups that range in cost from no more than campus room and board to \$3000 (plus tuition) in areas with high costs of living. Official exchange programs between Whitworth and other foreign universities are generally the least expensive for students. Overseas travel scholarships are available to qualified students.

WHITWORTH SEMESTER ABROAD

At least one semester each year, a group of Whitworth students locate in a foreign country for three months and receive instruction from Whitworth faculty as well as from native scholars. These "mini-colleges" abroad generally include from 20 to 40 students and are limited to students who are at least at the sophomore level. Applications for the Semester Abroad programs are received

one year in advance and students may be screened on the basis of maturity and adaptability to foreign environments. The schedule for these programs is as follows:

BRITISH ISLES

Courses: English literature, history, and art.

Highlights: Visits to major cities and historic sites; homestays in England.

Years: 1996 (fall) and every third year thereafter.

CENTRAL AMERICA

Courses: Contemporary Central American problems, intensive Spanish and service internship. Program includes travel to Costa Rica, Guatemala, Honduras, Nicaragua and Mexico.

Highlights: Intensive language study in Guatemala and rural homestay in Honduras.

Years: 1996 (Jan Term/spring) and every third year thereafter; occasional summer offering.

FRANCE

Courses: French literature, history, politics and art, including intensive French prior to departure.

Highlights: Living in several French cities and French homestays.

Years: 1995 (spring) and every third year thereafter.

EXCHANGES AND STUDY ABROAD OPPORTUNITIES

Through overseas partnerships and other consortia arrangements the college can arrange for individual students or small groups to study abroad or at a multicultural setting in the U.S. for one semester or for an entire year. Whitworth students typically pay tuition and room and board to Whitworth College and then receive tuition and room and board at the foreign university without charge.

Students may enroll at the following partner universities (providing vacancies are available):

CHINA

Nanjing University, Nanjing

Highlights: Students focus on Mandarin study and may take time for travel throughout China.

Requirements: Intermediate Chinese language.

Number of positions per year: Open

Jilin Teachers College, Jilin

Highlights: Students experience interior China and participate in a practicum in teaching English as a second language in addition to Mandarin language study.

Requirements: Beginning Chinese.

Number of positions per year: Open

COSTA RICA

National University of Heredia

Highlights: Students live with host families and take coursework in Spanish.

Requirements: Advanced Spanish language ability.

Number of positions per year: Open

ENGLAND

University of Greenwich, Greenwich

Highlights: Students live in apartments on campus and choose from a wide variety of courses in the humanities and sciences, with easy access to all of the the cultural offerings in nearby London.

Number of positions per year: Open

FRANCE

University of Provence, Aix-en-Provence

Highlights: Students attend French classes in beautiful southern France.

Requirements: Advanced French language ability.

Number of positions per year: Open.

GERMANY

Munich Conservatory of Music

Highlights: Studies in music theory at one of Germany's most prestigious conservatories.

Requirements: Intermediate German language ability; Music majors only.

Number of positions per year: Open

ITALY

American University of Rome

Highlights: Whitworth's Music in Rome program is designed for qualified music students who wish to study chamber and ensemble music, private lessons, and Italian culture and language. Students live in apartments in the heart of the city. Field trips to cultural sites are included.

Requirements: Sophomore standing; audition tape required. Previous Italian helpful but not required.

Number of positions per year: Open.

JAPAN

Seiwa College, Nishinomiya

Highlights: This Christian school specializes in early childhood education. Students live in dorms or with host families and choose from courses in Japanese language and culture, including Asian Studies, Business Management, Japanese Literature and Japanese Religions.

Requirements: One year of Japanese language.

Number of positions per year: Open.

Shikoku Christian College, Zentsuji

Highlights: Located on rural Shikoku island; students live in dormitories on campus and may participate in college clubs as part of language training. Special instruction in Japanese culture provided.

Requirements: One year of Japanese language study.

Number of positions per year: Open

SOUTH KOREA

Keimyung University, Taegu

Highlights: Students live with host families and choose from over 20 courses taught in English, including political studies, business, history and art.

Requirements: No language requirement.

Number of positions per year: Open.

Soong Sil University, Seoul

Highlights: This Presbyterian university in the capital city of Korea emphasizes studies in computer science, Christian missions, international affairs, international business. Instruction is in English.

Requirements: No language requirements.
Number of positions per year: Open.

MEXICO

Iberoamericana University, Mexico City
Highlights: Students live with host families near the university, and choose from many courses ranging from international relations to workshops in oral and written Spanish.
Requirements: Intermediate Spanish language ability
Number of positions per year: Open

SPAIN

The Center for Cross-Cultural Study, Seville
Highlights: Students live with host families or in student residences. Studies emphasize cross-cultural experience through travels and study visits, speaking and living Spanish.
Requirements: Intermediate Spanish language ability
Number of positions per year: Open

THAILAND

Payap University, Chiang Mai
Highlights: Students live in dorm rooms and study Thai culture, language and music.
Requirements: No language requirements
Number of positions per year: Open

UKRAINE

Kiev University, Kiev
Highlights: Students take courses in Russian language, history, literature and contemporary life. Inexpensive travel excursions are available during holidays.
Requirements: No prior language requirement, but students are required to study Russian there.
Number of positions per year: Open

U.S.A.

Sheldon Jackson College, Sitka, Alaska
Highlights: Students live in dorms at this small Presbyterian college and have the opportunity to take courses on Native Alaskan culture.
Requirements: Sophomore standing
Number of positions per year: Open

Stillman College, Tuscaloosa, Alabama
Highlights: Students live in dorms at this traditionally African-American college and have the opportunity to study African-American heritage.
Requirements: Sophomore standing
Number of positions per year: Open

INTERNATIONAL STUDENT EXCHANGE PROGRAM

This consortium program allows Whitworth students to attend 150 member universities in Europe, Africa, Asia, Australia, Canada or Latin America. Payment for tuition, room and board is made to Whitworth. The student pays a placement fee and airfare. Some travel scholarships are available to qualified students.

Some of the universities that have welcomed Whitworth

students through ISEP include University of Amsterdam and University of Nijmegen (The Netherlands), University of Tampere (Finland), Trier University (Germany), and the Universities of Angers, Nice and Franche-Comte (France).

COALITION FOR CHRISTIAN COLLEGES AND UNIVERSITIES

As a member of the Christian College Coalition, Whitworth supports the coalition's three study programs. Four positions per year are open to Whitworth students desiring to spend either fall or spring semester studying at one of the following locations:

American Studies Program, Washington, D. C.

Highlights: Students live in apartments in the nation's capital. The program includes coursework and internships that focus on current national and international issues in public policy in the context of Christian faith.
Requirements: Junior standing, serious Christian commitment, and strong academic record.

Latin American Studies Program, San Jose, Costa Rica

Highlights: Students live with host families. Program includes intensive Spanish language coursework; seminars on Latin American history, politics, economic and religious life; a service-related internship; and a three-week tour of other Latin American countries.
Requirements: Junior standing, serious Christian commitment, and strong academic record.

Los Angeles Film Studies Center, Los Angeles, Calif.

Highlights: The program provides an introduction to the mainstream Hollywood film industry and examines ethical challenges from a Christian perspective. Students learn from both theoretical and hands-on approaches, including an internship.
Requirements: Junior standing, serious Christian commitment, and strong academic record.

JANUARY TERM

The month of January is a period which affords an even broader variety of shorter study tours led by Whitworth faculty. Aside from courses offered on a regular basis (usually alternating every other year), there are often several "one-of-a-kind" experiences for student selection. Notice of these travel courses is made in late spring or early fall prior to the proposed January of travel. The courses are as follows:

COSTA RICA

Course: Tropical Biology
Highlights: Exploration of the ecosystems of the rainforest and coral reefs.
Group size: Approximately 24
Alternate years, 1997.

EUROPE (ITALY, FRANCE, ENGLAND)

Course: Core 250

Highlights: Travel across Europe visiting the key historic sights associated with Western philosophers.

Group size: approximately 20.

Alternate years, 1996.

GREAT BRITAIN

Course: British Culture Through Music and British Culture Through Theatre, London

Highlights: Attend at least nine plays or concerts; backstage tours.

Group size: Approximately 24 each course

Alternate years, 1996.

GUATEMALA

Course: Everyday Spanish 130, 230, 330

Highlights: Live with host families and study Spanish through one-on-one instruction at a language school in Antigua.

Group size: Open

Yearly.

HAWAII

Courses: Cross-cultural Psychology, Cross-cultural Education, Asian Studies, International Business.

Highlights: Field interviews with local resource persons.

Group size: Approximately 15 each course

Alternate years, 1995.

ISRAEL

Course: Biblical History and Geography.

Highlights: Opportunity to attend the Institute of Holy Land Studies in Jerusalem.

Group size: Approximately 12

Alternate years, 1996.

JAPAN

Course: Sports Medicine Seminar

Highlights: Comparison of American and Japanese approaches to Sports Medicine.

Group size: Open

Alternate years, 1996.

MUNICH/ROME

Course: Jazz Workshop

Highlights: Participation in workshop and concerts with students from the Academy of Music in Munich and, alternating years, from the American University of Rome.

Group size: 10 (by audition only)

Alternate years: Rome, 1995; Munich, 1996.

MUNICH & ROME

Course: Domain of the Arts

Highlights: Study and contrast the arts in two of Europe's richest cultural centers by attending concerts and visiting museums and historic sites.

Group size: 15

Alternate years, 1997.

SAN FRANCISCO

Courses: Psychology, Literature, Music, Arts, and Multicultural Education.

Highlights: Orientation to urban culture, opportunity to study diverse cultures within the city. May fulfill Other Culture requirement by contracted research work.

Group size: 32

Yearly.

TALL TIMBER RANCH

Courses: Theology and Ecology.

Highlights: Focus on environmental issues and Christian stewardship at a mountain lodge in Washington's North Cascades. Lessons in cross-country skiing and survival skills lead up to a five-day expedition in the wilderness.

Group size: 15

Yearly.

MULTICULTURAL EDUCATION

Course sites: Alaska, Coeur d'Alene Indian Reservation, Yakima Valley, Korea, Jamaica, Taiwan, San Francisco, Spokane Refugee Center and others by arrangement.

Highlights: Education students develop an understanding of minority cultures by living and working among the people.

Individual arrangements.

Yearly.

SUMMER TERM PROGRAMS MAY TERM

RUSSIA/UKRAINE

Course: Russian Language/Topics in Russian Cultural History

Highlights: Visit St. Petersburg, Kiev and Moscow; homestays in Kiev; cruise on the Dnieper River.

Group size: Open

Alternative years, 1996.

DIAKONIA

This summer Christian outreach sponsored by Whitworth provides students the opportunity to perform volunteer Christian service in a variety of settings, including New York, Philadelphia, Mexico and Northern Ireland. Sophomores and juniors may apply. Support money is raised through various fund-raising projects on campus.

INTERNATIONAL COOPERATIVE EDUCATION

Students may locate overseas for internships with the International Cooperative Education (ICE) program coordinated by the Northwest International Education Association. ICE interns receive room and board and a living stipend in exchange for work in the overseas location. Cost to the student includes summer tuition, transportation and a placement fee. Primary locations for ICE are England, Thailand, China, Japan, Germany and the Philippines.

COOPERATIVE EDUCATION

Cooperative Education programs (internships) are handled by the Student Placement Office located in Student Life. The Student Placement Office and the Office of Off-Campus Study work together to assist students in locating international internships.

Adult Degree Programs/ Continuing Studies

Director: Dale Soden, **Assistant Director:** Cheryl Florea Vawter

The Continuing Studies division offers a range of programs for adult students. The Evening College offers degrees primarily in Business Management and Accounting at a tuition rate competitive with area public universities. This program is aimed at working adults in the greater Spokane area who need to complete their degrees on a part-time basis. In addition, Continuing Studies offers a Bachelor of Liberal Studies degree for adult students, as well as a wide array of courses in the summer. Call the Office of Continuing Studies (509-466-3222) for more information on any of these programs.

BACHELOR OF LIBERAL STUDIES

Whitworth College offers a flexible and affordable way to earn a bachelor's degree. Building on the strength of a liberal arts curriculum, the Bachelor of Liberal Studies degree is designed to meet the needs of adult students 25 years and older. Areas of concentration in the Humanities, Community Leadership, and Program Management offer attractive options for a bachelor's degree at a significantly reduced tuition cost. Students interested in Whitworth's Liberal Studies degree must meet with an advisor from Continuing Studies prior to admittance into the program.

REQUIRED COURSES FOR AREAS OF CONCENTRATION IN LIBERAL STUDIES

COMMUNITY LEADERSHIP

(43)

This degree prepares the graduate to assume a position of leadership within local community agencies, social service agencies, or non-profit organizations. The degree emphasizes the study of liberal arts, American history, and political studies. Additional courses develop leadership skills.

HI 131	American History Before 1877	3
HI 132	American History Since 1877	3
HI 234	Spokane History	3
PO 102	American National Politics	3

PO 371	Introduction to Public Administration	3
BU 230	Financial Accounting	4
BU 315	Funding and Grant Writing	3
BU 330	Fund Accounting and Budget Management	3
BU 374W	Principles of Management	3
BU 450W	Social and Ethical Issues in Business	3
EC245/345	Economics of Social Issues	3
JR 244	Publicity and Public Relations	3
SP 113	Interpersonal Communications	3
390/490	Internship	3

PROGRAM MANAGEMENT

(40)

A degree designed for students interested in directing budgets and programs for non-profit organizations, social service, and government agencies.

BU 230	Financial Accounting	4
BU 315	Funding And Grant Writing	3
BU 318	Marketing	3
BU 340	Business Law	3
BU 330	Fund Accounting and Budget Management	3
BU 373	Human Resources Management	3
BU 374W	Principles of Management	3
BU 450W	Social and Ethical Issues in Business	3
BU 473	Applied Human Resource Management	3
EC 245/345	Economics of Social Issues	3
JR 244	Publicity and Public Relations	3
SP 113	Interpersonal Communications	3
390/490	Internship	3

HUMANITIES

(45)

Courses for the Humanities track must be directed and approved by the academic advisor in Continuing Studies. A minimum of 45 semester credits is required for the completion of the Humanities track.

At least 30 semester credits must come from courses in the following areas: English, History, Philosophy, Religion, Art, Music, Communications and Theatre Arts.

15 semester credits may be earned from courses in the following social sciences: Psychology, Sociology, Political Studies and Economics.

One of the above courses must be a writing-intensive course, designated by a "W" after the course number.

BACHELOR OF LIBERAL STUDIES — Upside-Down Degree

This degree is often referred to as an "upside-down" degree because the normal order of beginning with general college course requirements and finishing with studies in a specialized field in order to complete a four-year bachelor's degree is reversed. This program allows a student to complete an A.A.S. degree at a Washington state community college in a specific field and subsequently to come to Whitworth for completion of the general college requirements as well as the upper-division credits required for a bachelor's degree.

Credits Accepted By Whitworth

Whitworth will accept credit from selected Associate of Applied Science degrees from regionally accredited Washington state community colleges if the student chooses to apply that credit toward a bachelor's degree in Liberal Studies. The student will transfer in with 60–64 semester credits (depending upon the total number of credits earned through the A.A.S. degree), and will be granted junior standing. A list of accepted A.A.S. degrees is available through the Office of Continuing Studies.

Admission Requirements

Bachelor of Liberal Studies Upside-Down degree applicants must be 25 years old or older; however, special consideration may be given to applicants under the age of 25 who have demonstrated high academic ability in obtaining their A.A.S. degree. A grade point average of at least 2.5 is required for admission, as is achievement of satisfactory scores on entry skills placement exams in mathematics and standard written English. If scores on entry tests indicate inadequate skills in either area, completion of remedial coursework is required.

REQUIREMENTS FOR COMPLETION OF BACHELOR OF LIBERAL STUDIES DEGREE (ALL AREAS OF CONCENTRATION):

1. a minimum of 130 semester hours total, including those transferred from other institutions;
2. a cumulative grade point average of at least 2.00 in all courses taken at Whitworth;
3. the completion of 36 semester hours of upper-division courses (numbered 300 or above);
4. at least 32 semester hours must be earned in a degree program at Whitworth, including the last semester of the senior year. Credits earned by examination do not satisfy this requirement;
5. satisfactory completion of Whitworth's general college requirements.

Students enrolled as Continuing Studies part-time evening students may not be required to take all general college requirements if those requirements are not available in the evening. This change in requirements, as authorized by the faculty, may also affect the total number of semester credits needed for graduation. Contact the registrar or the Office of Continuing Studies for more details. Core course requirements for students admitted

through the Continuing Studies Office are as follows:

- Part-time evening students must take Core 250 only.
- Part-time day students (taking 50 percent or more of their classes during the day) must take all three Core classes.
- Full-time Bachelor of Liberal Studies students must take all three Core classes.
- Full-time Bachelor of Liberal Studies students in the "upside-down" degree program must take two Core courses of their choice.



Graduate Studies Programs

Department of Graduate Studies in Education

Note: These programs are offered in the evening, generally from 6:00-9:30 p.m.

FACULTY: Betty Malmstad (Director/Chair), Virgil Dedas, Les Francis, Warren D. Friedrichs, Robert Iller, Helen Liberg, Doris Liebert, Margo Long, Scott McQuilkin, Frances Mester, Christine Meyer, Arlin Migliazzo, Paul Nicolai, Ronald Prosser, Tammy Reid, R. J. Smith, Dennis Sterner, Robert Stevenson, Raja Tanas, John T aylor, James Waller

Application Procedures

1. Complete the application form, moral character supplement, and personal autobiographical statement and pay a nonrefundable \$25 application fee.

2. Application deadlines for admission to Graduate Studies in Education are as follows:

Fall Term	August 25
Spring Term	November 25
Summer Term	February 25, March 25

Application materials received after these dates will be processed for the next application period.

3. Have one official transcript from your bachelor's degree-granting college (except Whitworth College) sent directly to the GSE Office, Whitworth College, 300 West Hawthorne Road, Spokane, WA 99251-0702. These transcripts, submitted as a requirement for admission, become part of the official file and cannot be returned to the student. Students needing transcripts of work earned elsewhere must order official transcripts from the institutions where the coursework was completed.

4. Take Graduate Record Exam (general test) and have scores sent directly to the GSE Office. The GRE application process is handled directly through Educational Testing Service, Princeton, NJ. GRE Bulletins are available in the GSE Office and in the wall rack across from Dixon Room 209. Another option is to take the GRE at various Sylvan Learning Center locations. Call Sylvan for details.

5. Submit four professional recommendation forms and a self-evaluation form.

6. Submit a copy of current teaching certificate.

7. Your records will be evaluated, and, if accepted, you will receive a letter of admission inviting you to make an appointment with the coordinator of graduate advising to write your individual degree and/or certification plan. You and your advisor will plan your complete program at this time.

Admission Policies

1. No more than 6 semester credits should be taken prior to admission to GSE as there is no guarantee they will count toward a graduate degree.

2. There are three levels of admission as follows:

a. Full admission: Cumulative grade point average of 3.0 or higher, 25 percent in quantitative and verbal areas of the GRE, and acceptable evaluations.

b. Conditional admission: Cumulative grade point average of 3.0 or higher, acceptable evaluations, and GRE scores of 10 to 24 percent in verbals and quantitative areas.

c. Special admission: Cumulative grade point average of 2.7-2.9 and acceptable evaluations.

3. Applicants are to earn a score at the 25th percentile or higher on both the verbal and quantitative portions of the GRE General Test. If scores are below this level, additional coursework in English and/or math must be completed in order to be fully admitted to Graduate Studies in Education. This will be determined with a graduate advisor. Admission is denied to individuals who score less than the 10th percentile in either the verbal or quantitative sections of the GRE. These individuals are encouraged to do refresher work and then retake the GRE at a later date for admission consideration.

4. Applicants must hold a bachelor's degree from an accredited college or university.

5. Applicants must have the following:

a. A cumulative grade point average of 3.0 or higher for conditional or full admission.

b. A cumulative grade point average of at least 2.7 in the last 30 semester credits of academic (non-workshop coursework) for special admission.

6. Completion of a teacher education program is required for all School of Education master's degree and certification programs except MIT, M.Ed. Guidance and Counseling (School Certified or Social Agency/Church Setting), M.Ed. Administration (General) and MAT — English as a Second Language (non-certified). Photocopies of all Washington teacher certificates, administrator or

ESA certificates and certificates from other states must be submitted with the application for admission.

7. Prerequisites to graduate study may be required where applicants lack appropriate preparation. A background course in exceptional learners is required for the school counselor track. At Whitworth College the recommended course is ED 500A, Introduction to Exceptional Learners and Mainstreaming Concepts. Students whose first language is not English may be required to complete some prerequisites, determined with advisor, to improve their expertise in English, math and study skills.

8. For foreign students, the TOEFL test or the GRE is required prior to admission. The minimum score accepted on the TOEFL is 550. Testing is also done in English and in math, prior to taking graduate coursework, to determine any necessary prerequisites to be written into the degree plan.

Foreign students must provide proof of adequate financial resources for graduate study prior to admission. (A flier is available with detailed information.)

Requirements for the Master of Education (M.Ed.) Degree

Educational Administration, Initial Administrator Certificate, P-9 or 4-12 Principal (34 semester credits)

This program is for potential principals in public or private (P-12) schools. Each candidate must have appropriate evaluations/references on file in the GSE Office before admission is approved. The program carries with it competency-based certification with recommendations from the Administrative Professional Education Advisory Board (PEAB).

Certification at the initial level is generally achieved together with the completion of the M.Ed. degree in Administration. This certification program is also available for teachers who have already completed a master's degree program.

Note: Courses marked with an asterisk in this section are required prior to certification for candidates who already have a master's degree.

M.Ed., Educational Administration (34) (34 credits are required, including the following foundational and speciality courses)

ED 531	Advanced Educational Psychology	3
ED 539	Educational Research	4

ED 551	CORE: Milestones in Education	3
ED 523*	Supervision and Human Relations	3
ED 525*	Organization & Administration of Public Schools	3
ED 533*	Curriculum Development	3
ED 546*	Legal and Policy Foundations	3
ED 548*	Public School/Community Relations	2
ED 560*	Public School Finance	2
ED ____*	Minimum of 2 semester credits in abuse	2
(e.g., Substance Abuse, Working with Abused Children, Youth Suicide, Contemporary and Legal Issues in Counseling)		
Meeting with Administrative PEAB		
ED 585*	Administrative Internship (in school setting)	6
Internship cannot begin until completion of academic coursework and recommendation by the Professional Education Advisory Board.		
Successful completion of administrative exam.		

M.Ed., Elementary or Secondary Education (34)

This master's degree is designed for educators who wish to pursue advanced professional study with specific courses to meet individual professional goals in either elementary or secondary education.

1. Required Courses:

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3

2. Depending on item three, 15 or 18 semester credits of electives are chosen, with the assistance of coordinator of graduate advising, to meet the student's individual needs at either the elementary or secondary level.

3. The completion of one of the following:

ED 569G	Research Project	3
or		
ED 599	Thesis (15 semester credits in Theme of Study)	6

4. Successful completion of three written comprehensive examinations. The exams are based on required courses and are selected with the coordinator of graduate advising. Student must have completed 18 semester credits in the program and must be fully admitted (any prerequisite work must be successfully completed) before exams can be taken. Contact the GSE Office for details.

M.Ed., Guidance and Counseling (34) Educational Staff Associate (School Counselor) Certification (P-12)

This program is designed for the preparation of public school counselors at both the elementary and secondary school levels.

This certification option requires the attainment of certain college and state-specified competencies and successful completion of the academic program. The program carries with it competency-based certification with recommendations from the Counselor Professional Education Advisory Board (PEAB).

ED 531	Advanced Educational Psychology	3
ED 539A	Research for Counselors	4

ED 551	CORE: Milestones in Education	3
ED 501*	Counseling Theories	3
ED 526*	Counseling Process (prerequisite ED 501)	3
ED 565*	Introduction to Group Counseling (prerequisite ED 501 and ED 526)	3
ED 566*	Group Process (prerequisite ED 501, ED 526, ED 565)	3
ED 542*	Contemporary and Legal Issues in Counseling ...	3
ED 503E*	Career Education and Referral Information	3
ED 561*	Tests and Measurements	3
ED 550A*	Counseling Practicum (in school setting)	3

Student registers for ED 550A after completion of all coursework and approval is secured from the Counselor Professional Education Advisory Board (PEAB).

For Initial ESA school counselor certification the following courses are required in addition to the above courses:

ED 558*	Consultation Seminar	1
ED 580*	Professional Counselor Seminar	1

(The above two courses are taken during the fall of practicum.)

ED 550B*	Counseling Practicum (School Setting)	3
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*Initial Level ESA Review Board is arranged after completion of ED 550B

Successful completion of the state-required written comprehensive exam is required for this degree. It is generally taken during the practicum experience. This exam is offered in January, June and August.

M.Ed. Guidance and Counseling (35) Social Agency

Many social agency and church professionals desire a counseling degree which omits school certification but includes electives related to specific career goals, as well as the core counseling courses and practicum. Written evaluations are required from specific individuals speaking to the candidate's potential skills as a counselor for admission into this program.

ED 531	Advanced Educational Psychology	3
ED 539A	Research for Counselors	4
ED 551	CORE: Milestones in Education	3
ED 501	Counseling Theories	3
ED 526	Counseling Process (Prereq. ED 501)	3
ED 565	Introduction to Group Counseling (Prerequisite ED 501, 526)	3
ED 566	Group Process (Prerequisite ED 501, ED 526, ED 565)	3

Note: ED 565 and 566 cannot be taken until full admission into the program is accomplished.

ED 585F	Clinical Assessment and Diagnosis	2
ED 561	Tests and Measurements	3
ED —	A minimum of 2 semester credits in courses such as Marriage/Family Counseling, Substance Abuse, Youth Suicide, Sexual Abuse, or Contemporary and Legal Issues in Counseling. 2	
ED 550	Counseling Practicum (social agency setting)	6

Note: Prerequisite—Satisfactory Completion of ED 501, 526, 565 and 566.

Candidate completes a 6-semester credit counseling practicum (minimum of 240 hours, plus 40 hours of structured observation prior to the practicum). Practicum continues until all required competencies are evidenced. This practicum is begun after satisfactory completion of all academic coursework.

Candidate must successfully complete three written comprehensive exams, approved by GSE advisor. Contact GSE Office for complete details.

Requirements for the Master of Arts in Teaching Degree MAT English as a Second Language (ESL) (35)

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
EL 588	Structure and Development of English Language	3
ED 527E	Second Language Acquisition	3
ED 565E	Introduction to Language	3
ED 591	Cultural Anthropology	3

(Note: Student also attends day course SO 200.)

ED 526E	ESL Curriculum Design and Testing*	3
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*Prerequisite ESL teaching experience or 2 ESL classes

ED 564H	Methods of Teaching Languages *	3
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*Prerequisite 527E and one additional ESL Class

ED 506C	Practicum: English as a Second Language**	4
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** (Minimum of 160 hours in a supervised setting taken after successful completion of all coursework.)

Successful completion of three written comprehensive exams determined with GSE Coordinator of Graduate Advising. Complete details are available in GSE Office.

MAT Gifted and Talented (34)

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
ED 500E	Creativity in the Classroom	3
ED 573A	Teaching and the Self-Concept	3
ED 576	Strategies for Challenging Bright Students	3
ED 596	Educational Psychology of the Gifted	3
ED 584	Practicum: Gifted and Talented	3

(Minimum of 120 hours in a supervised setting taken after completion of all coursework.)

Approved electives:

6
(Note: Six semester credits of on-campus Whitworth College graduate-level workshops may be included, but these must be approved in advance by the coordinator of graduate advising.)

Successful completion of three written comprehensive exams approved by coordinator of graduate advising. Complete details are available in GSE Office.

MAT Physical Education (34)

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
PE 512	Principles of Athletic Training	3
PE 527	Seminar in History of Sports	3
PE 528	Seminar in Sports Psychology	3
PE 539	Scientific Bases of Human Movement	3
PE 535	Current Trends and Problems in P.E.	3
PE 540	Practicum: Physical Education	3
One elective (approved by GSE advisor)		3

Practicum Option:

One approved elective (3 semester credits) and a practicum (3 semester credits) for a minimum 120 hours in a supervised setting. Practicum is taken at the end of the program.

or

Successful completion of three written comprehensive exams determined with GSE advisor. Complete details are available in GSE Office.

Additional coursework necessary in essential areas to meet state of Washington endorsement on a teaching certificate: PE 330 and PE 345.

MAT Reading (33-34)

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
ED 510	Methods of Teaching Reading	3
ED 511	Diagnosis and Treatment of Reading Disabilities	3
ED 512	Organization/Administration of Reading Programs	3
ED 516	Methods of Using Children's Literature to Promote Literacy Growth	3
ED 561	Tests and Measurements	3
ED 514	Practicum: Reading	1
ED 515	Supervision in Reading	2

Two electives to be selected from the following:

ED 517	Reading in the Secondary School	2
ED 519	Language and Vocabulary Development	3
ED 527E/ED 477E	Second Language Acquisition	3
ED 565E/EL 565E	An Introduction to Language	3

Successful completion of three written comprehensive examinations, approved by coordinator of graduate advising.

MAT Special Education (34)

ED 531	Advanced Educational Psychology	3
ED 533	Curriculum Development	3
ED 539	Educational Research	4
ED 551	CORE: Milestones in Education	3
ED 500A	Introduction to Exceptional Learners and Mainstreaming Concepts	3
ED 500B*	Special Ed: Assessment and Diagnosis	3
(*Prerequisite 500A)		
ED 500C*	Special Ed: Curriculum and Instruction	3
(*Prerequisite 500A)		

ED 500D*	Special Ed: Inclusion and Consultation	3
(*Prerequisites: ED 500A, B and C)		
ED 579	Special Ed: Practicum	3
(minimum of 120 hours in supervised setting taken after completion of all coursework.)		
Two electives (6 semester credits) to be selected from the following:		
ED 507	Learning Disabilities	3
ED 511F	Counseling in Special Education	1
ED 540	Beginning Sign Language	3
ED 562H	Working with Conduct Disordered Children	2
ED 573D	Behavior Disorders in Children	3
ED 591	Independent Study	1

Successful completion of three written comprehensive exams to be determined with coordinator of graduate advising. Comprehensive exam details are available in GSE Office.

Note: It is also possible to obtain an Endorsement in Special Education.

Academic Policies

Cancellation of Admission and Expulsion:

1. Students who do not take any courses leading to the completion of their master's degree in a three-year period will be placed on inactive status. This means that if they are if readmitted, they will be responsible for any new college or program requirements.

2. Students may be suspended or expelled for violation of academic standards, plagiarism, misrepresentation of background information, violation of items listed on the character and fitness supplement, and/or failure to pay debts.

3. Subsequent readmission follows the procedures for new admission under the catalog requirements in effect at the time of reapplication.

4. Whitworth College reserves the right to withhold credit, transcripts, and diplomas until all campus debts are settled.

5. Any appeals must be presented in writing to the director/chair, Department of Graduate Studies in Education, within three weeks of the incident being appealed. (See complete appeal process under Appeals section.)

Academic Standards:

1. Completion of a Teacher Education program is required for all master's degree and/or certification programs except M.I.T., M.Ed. Guidance and Counseling, (School Certified or Social Agency/Church Setting), M.Ed. Administration (General) and M.A.T. in TESL (non-school certification option).

2. A minimum of 33 semester credits in approved courses, following a signed degree plan, is required for

all master's degrees. This is in addition to any required prerequisites.

3. Six semester credits (or 9 quarter credits) of approved graduate credit may be transferred from other colleges or universities for degree purposes. Workshops, correspondence courses, video courses or seminars, or independent studies may not be transferred in from another college or university; nor may a course in which a grade of "C" or lower or a grade of "Pass" was assigned.

4. Master's degree and certification candidates must achieve a cumulative grade point average of 3.00 on a 4.00 scale for all courses taken as part of an approved graduate degree. All master's degree programs require satisfactory completion of three written comprehensive exams (except M.Ed. Guidance and Counseling [School Certified], and M.Ed. School Administration, which have their own designated comprehensive exams). The GSE Office has a listing of all courses in which comprehensive exams are available.

5. Prior to recommendation for state of Washington certification as an ESA school counselor, candidates must pass the state-required written ESA comprehensive exam as well as a Review Board where skills are demonstrated. Social agency counselors take the state of Washington licensing exam. Individuals make arrangements for this licensing exam directly through the state office. School administrators take the written comprehensive exam for administrators.

6. No credit toward a master's degree or certification program will be allowed for a course in which the student receives a grade below "C" (including C-). Courses in which a grade of less than "C" is earned, if required for the degree or certification program, must be repeated. For any term in which a student's grade point average is below 3.0, the student is placed on academic probation. Student will be dismissed from the graduate program if three grades of "C" or lower are acquired, or if a student is placed on academic probation more than twice.

7. "Incompletes" are given only for emergency situations. Student and instructor sign a statement indicating reason for an "Incomplete" and file this with the registrar. The "Incomplete" must be removed within six weeks following the end of the term in which the student enrolled.

8. An "In-Progress" (I/P) is given only for practicums, internships and research projects. "In-Progress" must be removed within six months of issuance of the I/P grade. If not, the student must re-enroll and pay tuition again for the course.

9. All credits toward a graduate degree must have been accumulated within six years of the time of program completion. An analysis of coursework is made. In some cases older courses need not be retaken, but additional coursework can be substituted. This is determined on an individual basis where specific recency may not be as relevant.

10. A 6-semester-credit courseload qualifies a student as full time during each term (fall, spring, summer). A courseload of nine semester credits represents an overload and is not encouraged. Approval must be obtained from the Coordinator of Graduate Advising for an overload. Student's signature is obtained on an overload statement. Persons working full time are strongly encouraged not to exceed six semester credits per term.

Appeals:

Student Grade Appeal Procedure: The order of appeal for students who feel they have been unfairly graded is as follows:

- a) the instructor of the course;
- b) the director/chair of the Department of Graduate Studies in Education;
- c) the dean of the School of Education;
- d) the vice president for Academic Affairs (or designee).

Appeals for Other Issues:

Discuss first with the coordinator of graduate advising. The right of appeal is then available to all students, who should proceed in this order: a) director/chair, Department of Graduate Studies in Education; b) committee composed of the dean, School of Education; director/chair, Department of Graduate Studies in Education, and representatives of the School of Education; c) vice president for Academic Affairs or associate dean; dean of the School of Education; director/chair, Department of Graduate Studies in Education.

In cases where certification is refused, student has additional right to appeal to the appropriate Professional Education Advisory Board, Office of the Superintendent of Public Instruction, and State Board of Education.

All appeals must be presented in writing to director/chair, Department of Graduate Studies in Education, within three weeks of the incident being appealed.

General Guidelines:

1. Full admission to a graduate program includes: a) taking GRE and completing any refresher coursework in English or math if GRE scores are below the 25th percentile in verbal and/or quantitative sections; b) completing any education course prerequisites; c) letter of admittance to the program; d) signing of degree plan.

2. You are encouraged to meet with the coordinator of graduate advising each semester to confirm that all requirements for your degree and/or certification program are being met.

3. After completion of 18 semester credits, make arrangements with the GSE Office to begin taking the three required written comprehensive exams as determined with the GSE advisor and written on the individual degree plan.

4. Students in the certification program for school counselors take the state-required written ESA comprehensive exam during the practicum and are also required to pass a Review Board. Administrators take the written exam for school administrators during the internship.

5. All GSE students register and pay for courses each semester in the GSE Office, Dixon Hall, Room 212. Enrollment in a course that is not approved for a specific program is considered as "enrichment" only and does not count toward a graduate degree or certification program.

6. All students enrolling in practicums, internships, theses or research projects must have approval in advance from the coordinator of graduate advising and must register in the GSE Office.

7. Regular written comprehensive exams are scheduled for the second Saturday of each month from 9-11 a.m. Registration is required one week in advance in the GSE Office. The state-required written comprehensive exam for school counselors and the written comprehensive exam for administrators are offered three times per year (January, June and August). Dates for the full year are posted on the GSE bulletin boards.

Graduate Studies in Education Courses:

ED 500 ACTION RESEARCH PROJECT: DISTRICT LEVEL (3)

A guided study activity for school administrators that involves the completion of a research project of immediate practical value to the student's employing school district. Must be of such quality as to be publishable within the district and have immediate policy implications. Spring, summer, fall.

ED 500A SPECIAL EDUCATION: INTRODUCTION TO EXCEPTIONAL LEARNERS AND MAINSTREAMING CONCEPTS (3)

Survey of full continuum of exceptional learners and meeting individual needs in the mainstreamed classroom, as required by PL94-142. Required of all students seeking teacher certification. Includes field experience. Also listed as ED 365. Fall, spring, summer.

ED 500B SPECIAL EDUCATION: ASSESSMENT AND DIAGNOSIS (3)

Identifying learning deficiencies at the classroom level using diagnostic tests and other assessment tools. Establishment of basis for remediation of disabilities. Also listed as ED 467. Prerequisite: ED 500A. Spring.

ED 500C SPECIAL EDUCATION: CURRICULUM AND INSTRUCTION (3)

Review of materials for education of individuals with disabilities and for remediation of learning deficiencies. Resources available at urban, rural and district levels. Also listed as ED 468. Prerequisite: ED 500A. Fall and spring semesters.

ED 500D SPECIAL EDUCATION: INCLUSION AND CONSULTATION (3)

Awareness of strategies and adaptations appropriate for inclusion in the regular classroom or in the student's least restrictive environment. Practice of skills for success in working with special needs learners and their parents, without neglecting the needs of other students. Also listed as ED 469. Prerequisites: ED 500A, 500B, 500C. Spring.

ED 500E CREATIVITY IN THE CLASSROOM (3)

For elementary and secondary teachers and parents interested in pursuing the topic of creativity. Characteristics, testing tools, and activities which enhance creativity in students. The goal: to enable teachers and parents to develop more fully the creative potential in children. Fall, even years.

ED 500F UNDERSTANDING SEXUAL, PHYSICAL AND EMOTIONAL ABUSE (2)

This class gives the student a basic understanding of abuse, neglect, emotional abuse, and sexual abuse of children. Legal issues of child abuse/neglect are presented, along with an evaluation of the nature of bonding in abusive families. This course presents the treatment process from the perspective of personality theory, systems theory and casework management. Meets state WAC requirements for coursework in abuse.

ED 500G DEALING WITH GRIEF AND LOSS (2)

A significant portion of time is spent by therapists, counselors, pastors, administrators and teachers in dealing with grief associated with loss due to divorce, moves, deaths, separations and other losses. Certain therapies are more effective in dealing with loss than others. The focus of this course is to teach effective techniques to use with individuals dealing with grief in their lives.

ED 501 COUNSELING THEORIES AND PSYCHOLOGICAL FOUNDATIONS (3)

This course has as a focus the understanding and development of a consistent personal counseling theory and the relationship of this

personal theory to several established psychological and counseling models. Fall, summer.

ED 503E CAREER EDUCATION AND REFERRAL INFORMATION (3)

This course covers educational and career decision-making experiences, developing school guidance plans based on needs assessments, providing staff development and supervision and referral resources and processes. Spring.

ED 504D PEER REVIEW (1)

This is a state-required course for school counselors to demonstrate their respective knowledge and skills while employed in that role, prior to being recommended for continuing ESA certification. Fall, spring.

ED 506C PRACTICUM: TEACHING ENGLISH AS A SECOND LANGUAGE (4)

The last course in a graduate student's ESL program, the practicum requires a minimum of 160 hours in a setting approved in advance by the coordinator of Graduate Advising. An on-site supervisor and Whitworth College supervisor work with the student during the practicum, verifying that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall, spring, summer.

ED 507 METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES (3)

This course covers the basic knowledge and skills necessary to recognize and effectively provide for the special needs of learning-disabled individuals, including children, adolescents, and adults. Theoretical approaches, assessment procedures, and familiarity with teaching strategies and materials are covered. Fall.

ED 508B PROJECT READ: PHONOLOGY (2)

Project Read is based on a systematic, multi-sensory model delivered through direct instruction for teaching reading. It supplements a whole-language approach. The phonology component is designed to teach the basic sound-symbol relationships of language to first-through third-graders. It is also appropriate for at-risk students or learning-disabled students. Summer.

ED 509E CREATIVE DRAMA IN THE CLASSROOM (3)

Creative dramatics is a group experience in which every child is guided to self-expression. There are no scripts, no technical aids, and no audience. Learn this technique that combines storytelling, improvisation and pantomime to create extemporaneous drama in the classroom. This is an especially beneficial course for anyone working with elementary-age children. Alternate summers.

ED 509F THEATER GAMES FOR THE CLASSROOM (3)

Whether a secondary or elementary teacher, you can always do more to engage your students in the learning process. Theater games go beyond the theatrical to nurture skills and attitudes that are useful in every aspect of learning and life. Develop expertise in creating and coaching theater games in your classroom. Summer.

ED 510 METHODS OF TEACHING READING (3)

This course is a study of the reading process and an examination of currently used approaches in reading instruction. Individual and group evaluative techniques and instruments are covered. Also listed as ED 387. Summer.

ED 510A ORIENTATION TO SCHOOLS (2)

[Credit is used to fulfill education background requirement only and is not counted toward the master's degree.] This field experience of 100 hours minimum in a school is a prerequisite for non-teachers prior to their receipt of initial ESA certification. Student is assigned to a specific school by the GSE advisor and a Whitworth College supervisor is assigned, as well. Taken simultaneously with the school practicum. Grade is P/NC. Fall, spring.

ED 511 DIAGNOSIS AND TREATMENT OF READING DISABILITIES (3)

Identification of reading problems, study of diagnostic instruments and remedial procedures used in group and individual situations, and causes and types of reading retardation are covered in this course. Experience is gained in administering and interpreting standardized and informal tests. Fall.

ED 511D TREATMENT OF DSM IV DISORDERS 1

This class is designed to help the counselor evaluate the strengths and weaknesses of specific therapies in treating the different diagnostic categories. Time will be spent on differential diagnosis and the treatment implications. Prerequisite: Clinical Assessment and Diagnosis.

ED 511F COUNSELING IN SPECIAL EDUCATION (1)

This course is for teachers, parents and counselors helping children with special needs. Jan Term, summer.

ED 512 ORGANIZATION AND ADMINISTRATION OF READING PROGRAMS (3)

This course covers development, supervision and administration of district-wide reading programs (including policies and procedures related to textbook adoption), in-service, student placement, grouping, testing and coordination of programs. Spring.

ED 514 CLINICAL PRACTICUM IN READING (1)

This is a field experience with various remedial reading program designs and analysis and assessment of a district-wide reading program. Taken simultaneously with ED 515. Grade is Pass/No Credit. Fall, spring

ED 515 SUPERVISION IN READING PRACTICUM (2)

This field experience covers various remedial reading program designs and analysis and assessment of a district-wide reading program. This course is taken after completion of reading course work and requires advance approval from the GSE advisor. Taken simultaneously with ED 514 for a Pass/No Credit grade. Fall and spring semesters.

ED 516 METHODS OF USING CHILDREN'S LITERATURE TO PROMOTE LITERACY GROWTH (3)

This course is a preparation for bringing children and literature materials together, highlighting a wide variety of means by which books can be introduced to children individually and in groups. The focus is on children's developmental needs that can be met with literature experiences, trends in reading and children's books, and current issues in connecting literature and children. Summer.

ED 517/ED 416 READING IN THE SECONDARY SCHOOL (2)

This course covers the development and implementation of classroom reading programs for middle and secondary students. Emphasis is placed on the reading needs and interests of adolescents and on techniques appropriate for extending their comprehension of written information. Spring, Jan Term, summer.

ED 523 SUPERVISION AND HUMAN RELATIONS (3)

This course focuses on understanding the elements that go into effective supervision: building on strengths and improving supervisory skills, creating a more motivational and productive environment for others, and providing an arena to study relationships among supervisory, teaching and administrative behavior systems. Spring.

ED 525 ORGANIZATION AND ADMINISTRATION OF PUBLIC SCHOOLS (3)

This course covers theoretical and actual applications of administrative policy, personal examples of organizational structures, the study of various pressure groups that influence the decision-making process, as well as the latest information on technology in the schools. Summer.

ED 526 THE COUNSELING PROCESS (3)

Students learn how to apply various theories of counseling to the counseling interview and how to develop skills and techniques used in counseling. Laboratory experience. Prerequisite: ED 501 and admission to GSE. (15-student limit.) Fall, spring, summer.

ED 526E ESL CURRICULUM DESIGN AND TESTING (3)

In this course students will learn how to design appropriate curricula for various skills and levels of second language teaching. Students will study testing principles and design tests to evaluate language skills. (Prerequisite: ESL teaching experience or two ESL classes.) Spring.

ED 527E SECOND LANGUAGE ACQUISITION (3)

In this course students will gain knowledge about how people acquire first and second languages; they will also analyze the language acquisition process. Fall. Also ED 477E

ED 531 ADVANCED EDUCATIONAL PSYCHOLOGY (3)

This is a systematic survey of the field of educational psychology for information and principles of practical value to teachers and administrators in the total public school program. The development of personality through counseling and guidance is discussed. Fall, spring, summer.

ED 531A AGGRESSION REPLACEMENT TRAINING (1)

Frequently, teachers, counselors and social workers encounter individuals who are prone to outbursts of temper and aggression. These individuals create a great deal of difficulty for both professionals and their own colleagues. Neither disciplinary nor reinforcement techniques seem to be effective in modifying their outbursts. Research indicates that aggressive people taught the techniques presented in this course may reduce the frequency and intensity of their aggression. Summer.

ED 533 CURRICULUM DEVELOPMENT (3)

This course covers the design, development and implementation of curriculum. Practical procedures for educational leaders having responsibility for the planning and operation of instructional programs are covered. Fall, summer.

ED 539 EDUCATIONAL RESEARCH (4)

This course examines the means of developing new knowledge in education, the development of basic research skills, and the evaluation of current educational research. An individual research paper is completed. This also includes computer lab time and development of the research paper. Limit: 25 students. Math and English reviews, if required, must be completed before taking this class. Spring, summer.

ED 539A RESEARCH FOR COUNSELORS (4)

This course covers content similar to ED 539, Educational Research, but is oriented specifically to the field of counseling. Only individuals admitted to the master's degree program in Guidance and Counseling may take this course. Fall, spring. Prerequisite: GRE scores and review work if required.

ED 540 INTRODUCTION TO SIGN LANGUAGE AND THE DEAF (3)

This is a study of language acquisition in hearing-impaired persons. Different methodologies are covered for teaching those with hearing impairments. History of sign language and the state of the art, as well as receptive and expressive finger-spelling and sign language skills are covered. American Sign Language is used to facilitate communication with hearing-impaired persons. Summer.

ED 542 CONTEMPORARY AND LEGAL ISSUES IN COUNSELING (3)

This course uses guest speakers with expertise in issues facing counselors. Some topics included are counselor ethics, drugs, alcohol and sexual abuse, suicide, AIDS and youth pregnancy. A panel of counselors and a school attorney discuss current issues. Required for school counselors. Recommended for principals and teachers. Fall.

ED 546 LEGAL AND POLICY FOUNDATIONS (3)

This course examines legal issues in teacher and school administration functions. Also emphasizes development of practical solutions for dealing with the issues, having the knowledge to realize what the law is concerning the issues, and methods of applying the law. Fall.

ED 548 PUBLIC SCHOOL/COMMUNITY RELATIONS (2)

This is a study of public relations techniques and effective personal communication. Also explores the relationship between the school, community, parents, teachers, and students, and studies the means by which teachers and administrators can build positive attitudes toward schools. Summer.

ED 550 COUNSELING PRACTICUM FOR SOCIAL AGENCY/CHURCH SETTING (6)

This is a competency-based practicum. It involves a minimum of 280 hours in a setting approved in advance by the GSE advisor. An on-site supervisor and Whitworth College supervisor work with the student for the duration of the practicum, seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Prerequisites: ED 501, ED 526, ED 565, ED 566. Fall, spring, summer.

ED 550A AND ED 550B COUNSELING PRACTICUM FOR INITIAL ESA P-12 SCHOOL COUNSELOR CERTIFICATION (6)

This is the culminating experience in the program for a master's degree and certification in guidance and counseling. It is a compe-

tency-based program in a school setting with sign-offs as skills are evidenced. On-site and college supervision. Requires advance Counselor Professional Education Advisory Board (PEAB) screening and approval as well as school district advance approval. Grade is Pass/No Credit. Fall, spring.

ED 551 CORE: MILESTONES IN EDUCATION (3)

A survey of the history of Western education, with particular attention to the linkages between education and Christianity and with the liberal arts tradition. Current philosophical issues confronting education are reviewed against their historical and intellectual backgrounds. This is an interdisciplinary course. Spring, fall.

ED 558 CONSULTATION SEMINAR (1)

Consulting by administrators, teachers, parents, pupils, personnel specialists, and other significant adults in the life of a client, as well as information in how to use resources more effectively are covered. Also includes indirect services whereby the specialist works as a consultant with the consultor. This course is required for initial ESA certification and is taken simultaneously with the practicum. Fall.

ED 560 PUBLIC SCHOOL FINANCE (2)

In this course students examine the financial dimensions of public school administration. Issues examined include budget development and management; the role of state, local, and federal agencies in school finance issues; collective bargaining; personnel; accountability; the special levy system; accounting procedures; purchasing; and risk management. Summer.

ED 560F CURRICULUM DESIGNING (2-3)

This course is designed for writing curriculum units for specific grade levels using cross-cultural experiences. Needs GSE advance approval. Fall, spring, summer.

ED 561 TESTS AND MEASUREMENTS (3)

This course covers an analysis of individual and group tests and their application to pupil progress. Time is spent on problems encountered in making up tests for the classroom. Fall, summer.

ED 562H WORKING WITH CONDUCT DISORDERED CHILDREN (2)

This course covers learning how to recognize, understand, and treat children with conduct disorders. A practical systems approach methodology is presented. Methods of self-care to help the professional deal with the frustrations inspired by these children is also covered. For teachers, counselors, administrators and interested others. Spring.

ED 563D WORKING WITH SEXUALLY ABUSED CHILDREN AND FAMILIES (2)

Specific areas covered include: counseling victims of child abuse; art therapy techniques utilized for abuse victims; play therapy for children suffering from depression, anxiety, somatic complaints, and teaching children relaxation exercises; counseling techniques related to working with dysfunctional families; detecting child abuse and following through with appropriate interventions; detecting childhood depression and counseling with depressed children and their families. This course meets the state WAC abuse requirement. Summer, fall.

ED 564C PRACTICUM, GENERAL (3)

Approval of GSE advisor required. Minimum of 120 hours of supervised practicum. Practicum proposal form must be completed for registration. Log required also. Grade is Pass/No Credit. Fall, spring, summer.

ED 564H METHODS OF TEACHING LANGUAGES (3)

This course explores the methods and materials appropriate for teaching English as a second language and modern languages. (Prerequisite: ED 527E and one additional ESL class.) Spring.

ED 565 INTRODUCTION TO GROUP COUNSELING (3)

Group counseling models, with an emphasis on processes such as leadership styles, group techniques, group composition and size, ethical/legal issues, communication skills and applications of current research findings are covered. Prerequisites: ED 501, ED 526, and full admission to GSE. Spring, summer, fall.

ED/EL 565E AN INTRODUCTION TO LANGUAGE (3)

This course is a basic study of language — how it works, how it changes, and difficulties faced by those who study it. The primary focus is on the English language, both as it is presently spoken and as it may have been spoken in the past. However, the principles of language are universal and other languages are used as points of comparison. The course is beneficial for any speaker, but especially for those who teach language in any form. Fall.

ED 566 GROUP PROCESS (3)

This is an experiential course for the study of individuals interacting in a group. It presents an opportunity to be a group member, to observe the role of a group leader, to experience group process and dynamics, to learn about one's own behavior in a group, and to observe interpersonal relationships among group members. Also includes integration of experiential and intellectual processes. Prerequisites: ED 501, 526, 565 and full admission to GSE. Spring, summer, fall.

ED/EL 566I LANGUAGE ACQUISITION (3)

Course goals: to investigate the development of the spoken and written language and to apply knowledge of literacy development to classroom activities. Required research project explores language development of one or two children. For teachers of Language Skills, K-12, or ESL. (Note to students in the ESL program: This course does not substitute for ED 527E Section E, Second Language Acquisition, offered Fall term.) Spring.

ED 569G GRADUATE RESEARCH PROJECT (3)

The research project involves a minimum of 120 hours researching specific material and designing an appropriate program to use with a specific group of students. Research project proposal must be approved by the GSE advisor before beginning the project. A Whitworth College supervisor is assigned to work with the student in designing the project and assists as needed for the duration of the project. This is the final course in a student's M.Ed. Elementary or Secondary Education program. Prerequisite: satisfactory completion of ED 539 Educational Research. Research projects receive a letter grade. Spring, fall, summer.

ED 571B MARRIAGE/FAMILY COUNSELING (3)

This course provides intermediate and advanced counseling professionals with a basic preparation in the field of marriage and family

counseling. Particular emphasis is focused on conjoint marriage counseling techniques. Summer.

ED 571D OR EL 500B TEACHING WRITING (3)

In a variety of formats, this course explores philosophies, criticism, research and methods of teaching writing. Class is geared to individuals who teach at any level. Summer.

ED 573A TEACHING AND THE SELF-CONCEPT (3)

Development of a positive self-concept as a basis for subsequent achievement in school and career is covered. Also includes identification of learning styles. Includes study of practical methods of teaching and content organization that address the learning styles of individual students and assist in the development of student self-concept. Spring, even years.

ED 573D BEHAVIOR DISORDERS IN CHILDREN (3)

Using the state's definition of a behavior disorder, this course explores various levels of severity of each disorder. Includes study of symptoms and solutions and how to distinguish between situational problems and true disorders. Summer.

ED 576 STRATEGIES FOR CHALLENGING BRIGHT STUDENTS (3)

Characteristics, identification, special problems, and program models for the gifted and talented are studied along with student-created curriculum materials appropriate for specific grade and/or subject area. Spring, odd years.

ED 579 PRACTICUM: SPECIAL EDUCATION (3)

The special education practicum involves a minimum of 120 hours in a setting approved in advance by the GSE advisor. An on-site supervisor and a Whitworth College supervisor work with the student for the duration of the practicum, seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall, spring, summer.

ED 580 PROFESSIONAL COUNSELOR SEMINAR (1)

This course for school counselors covers organizational patterns, professional development, special programs and services, staff development and developmental issues at alternative grade levels. This course is needed for initial ESA certification and is taken simultaneously with the practicum. A letter grade is assigned. Fall.

ED 581B TEACHING THE UNDERACHIEVER (2)

This course addresses the most current research and activities that work effectively with difficult students, and provides participants with successful techniques to diagnose, prescribe and communicate concerns and needs to parents.

ED 582F YOUTH SUICIDE (2)

This course is designed to evaluate the etiology of youth suicide. A basic knowledge of suicidal behavior is developed, including risk factors and levels of suicidality. Also included are effective treatment techniques and intervention skills including involuntary commitment laws and procedures.

ED 583F AT-RISK STUDENTS (2)

In this course students learn what causes individuals to be "at-risk" and acquire the skills and knowledge necessary to help these people be successful in school. Participants learn the basis for successful student retention programs by studying existing alternative programs and how these programs can be adapted to local conditions. Summer.

ED 584 PRACTICUM: GIFTED AND TALENTED (3)

This practicum involves a minimum of 120 hours in a setting approved in advance by the director of the Gifted & Talented program. An on-site supervisor and Whitworth College supervisor work with the student for the duration of the practicum seeing that appropriate skills are demonstrated. Grade is Pass/No Credit. Fall, spring.

ED 585 ADMINISTRATIVE INTERNSHIP (6)

This internship provides an opportunity to participate in a wide range of activities that constitute the normal responsibilities of the elementary or secondary school principal. This is done under the direct supervision of a public school administrator and a Whitworth College supervisor. There are competency-based sign-offs as skills are evidenced. Internship includes opening and closing activities of the school year. Attendance at three Saturday seminars (fall/spring terms) is required. Required for initial Administrator (P-9 or 4-12 Principal) certification. Grade is Pass/No Credit. Fall, spring.

ED 585F CLINICAL ASSESSMENT AND DIAGNOSIS (2)

This course is designed to help counselors better understand diagnostic criteria and systematic descriptions of various mental health disorders. Included are basic techniques of the mental status exam. Fall.

ED 591 CULTURAL ANTHROPOLOGY (INDEPENDENT STUDY) (3)

Students attend class sessions of SO 200. In addition to conducting a systematic investigation of the nature of culture and a comparative study of cultures and peoples known to humankind at the present time, graduate students write a comprehensive research paper at an advanced level. This involves consultation with the instructor as the research proposal is developed and approved. A major goal of the research paper is the development of a framework for understanding a constantly changing world system and solutions to world problems. Required for the MAT - ESL program. Fall.

ED 591A ENGLISH REVIEW (INDEPENDENT STUDY) (2)

Fulfills the English review requirement only, if necessary from GRE scores, and is not counted toward the master's degree program. This course, conducted as an independent study, strengthens already existing English skills and reacquaints the student with standard English practices which may have fallen into misuse. The value of this course is in its focus on practical writing skills. Correct English grammar, standard rules of punctuation, and suggested methods of composition are reviewed. Fall, spring, summer.

ED 591B MATH/STATS REVIEW (2)

This independent study format course satisfies the Graduate Studies in Education math review requirement for students whose GRE quantitative percentile is 10 to 24. Grade is Pass/No Credit. Student is tested for appropriate level of review after registering. Fall, spring, summer.

ED 596 EDUCATIONAL PSYCHOLOGY OF THE GIFTED (3)

This covers the psychology of gifted students and the practical implications of program development and program options for the gifted child. Fall, odd years.

ED 599 THESIS (6)

Thesis study is directed by a major advisor (chairperson) and two committee advisors. The thesis committee conducts the final oral

examination. Approved copies, ready for binding, must be submitted to the office of Graduate Studies in Education one week before the end of the term in which the degree is anticipated. (Note: Advance approval is required from the Coordinator of Graduate Advising to enroll in the thesis option.) A letter grade is assigned upon completion. Fall, spring, summer.

**EL 588 E/EL 388 STRUCTURE AND DEVELOPMENT OF
THE ENGLISH LANGUAGE (3)**

This course includes the history and development of our language and the sources and reasons for current English forms. Review of traditional grammars and some exposure to various new grammar will be included.

PE 512 PRINCIPLES OF ATHLETIC TRAINING (3)

This overview course in athletic training will include the following: risk management; evaluation, treatment and rehabilitation of upper and lower extremity injuries; emergency care; taping; substance abuse; current trends in sports medicine.

PE 527 SEMINAR IN HISTORY OF SPORTS (3)

This seminar explores the place of sports in early societies (Asian, Greek, Roman, etc.) as background for the major emphasis on the development of American sports. Focus is upon the people, institutions and events of historical significance in the sporting movement.

PE 528 SEMINAR IN SPORTS PSYCHOLOGY (3)

Examination of the basic concepts and vocabulary of sports psychology with current research in the field and with the scientific and theoretical framework of the discipline. Students are required to apply current research to practical coaching strategies.

**PE 535 CURRENT TRENDS AND PROBLEMS IN
PHYSICAL EDUCATION (3)**

This course is an examination of trends, critical issues and problems in the field of physical education.

PE 539 SCIENTIFIC BASES OF HUMAN MOVEMENT (3)

This seminar is for coaches and teachers in the field of physical education and athletics. Focusing on anatomy, biomechanics, exercise physiology and motor learning, the course emphasizes the practical applications of these areas to athletics and physical education.

PE 540 PRACTICUM: PHYSICAL EDUCATION (3)

The practicum involves a minimum of 120 hours in a setting approved in advance by the GSE advisor. An on-site supervisor and a Whitworth College supervisor work with the student during the practicum, verifying that appropriate skills are demonstrated. A log is required. Grade is Pass/No Credit. Fall, spring, summer.

PE 586 READINGS IN PHYSICAL EDUCATION (3)

Spring, summer, fall.

Note: Whitworth College reserves the right to make changes of any nature in programs, calendars or academic schedules whenever necessary or desirable, including changes in course content, class rescheduling, and the cancelling of scheduled classes or other academic activities. Because changes can occur during catalog circulation periods, students are responsible for consulting with the coordinator of graduate advising for more current or specific information.

MASTER IN TEACHING PROGRAM

Elementary Level 57 SC; Secondary Level 56 SC

Initiated in 1989, the Master in Teaching program at Whitworth College resulted from the Washington State Legislature calling for alternative teacher education and was the first such program in this state. Part of a nationwide movement to strengthen America's corps of teachers by putting successful members of society's work force into teaching positions, MIT programs provide schools with mature teachers who understand the demands of the real world and whose teaching reflects these realities.

Whitworth's Master In Teaching program shares those goals, but is also dedicated to developing reflective, flexible and creative teachers who can be leaders in restructuring schools in the future. To accomplish this, Whitworth's MIT program is an intensive, full-time preparation program involving a summer, an academic year and a summer (15 months). During this time, MIT candidates participate in a rigorous program involving approximately 57 semester credits of coursework, practicum and thesis. This program is characterized by (1) integration of academic work with an ongoing field experience; (2) programmatic coherence both from course to course and from on campus to field work; (3) systematic study of classroom practice; and (4) individual self-appraisal and renewal.

The Master In Teaching program has the following admission requirements:

1. desire to be a creative teacher and leader;
2. evidence of successful work with children or youth;
3. bachelor's degree in an approved endorsement area;
4. grade point average of 3.00 for the last half of college with provisional admission for a 2.70 grade point average;
5. completion of the Graduate Record Examination general test, verbal and quantitative sections;
6. positive recommendation from the interview committee;
7. completion of the admission process through the School of Education. All admissions to the MIT Program are conditional. Full admittance is granted upon successful completion of summer and fall coursework.

MIT COURSES

ED 323 INTRODUCTION TO MULTICULTURAL EDUCATION (1)
Examination of the ways in which attitudes, behaviors and values are shaped; the nature and use of power in society; one's own values; principles of effective multicultural education; cultural influences on learning; and intercultural communication skill training. (Elementary and secondary.) Fall semester.

ED 324 MULTICULTURAL FIELD EXPERIENCE IN EDUCATION (3)
A field experience in teaching students from a culture other than one's own. (Elementary and secondary.) January term.

ED 449 DEALING WITH ABUSE AND NEGLECT (1)
Categories, causes and indicators of child abuse and neglect, teachers' legal responsibilities, appropriate techniques. Grade is Satisfactory/Not Satisfactory. (Elementary and secondary.) Fall semester.

ED 500A EXCEPTIONAL LEARNERS AND MAINSTREAMING CONCEPTS (3)
Overview of the full continuum of exceptional learners and how to meet their needs in mainstreamed classrooms; instructional strategies for exceptionalities. (Elementary and secondary.) Summer term I.

ED 510G FOUNDATIONS OF LITERACY (1)
Types of literacy, nature of the reading and writing process, principles of instruction. (Elementary level.) Summer term I.

ED 510H TEACHING READING AND WRITING (2)
Current pedagogical techniques for developing reading and writing competence. (Elementary level.) Fall semester.

ED 517 READING IN THE SECONDARY SCHOOL I (1)
Reading needs and interests of adolescents and current techniques for extending comprehension of textual material in high school classes. (Secondary level.) Summer term I.

ED 517 READING IN THE SECONDARY SCHOOL II (1)
Reading needs and interests of adolescents and current techniques for extending comprehension of textual material in high school classes. (Secondary level.) Fall semester.

ED 517A FIELD-BASED METHODS IN SECONDARY ENGLISH (2)

ED 517B FIELD-BASED METHODS IN SECONDARY MATHEMATICS (2)

ED 517C FIELD-BASED METHODS IN SECONDARY SOCIAL STUDIES (2)

ED 517D FIELD-BASED METHODS IN SECONDARY MODERN LANGUAGE (2)

(Secondary level.) Fall semester.

ED 531 ADVANCED EDUCATIONAL PSYCHOLOGY I (1)
Introduction to child growth and development and to basic managerial and instructional techniques. (Elementary and secondary.) Summer term I.

ED 531B ADVANCED EDUCATIONAL PSYCHOLOGY II (2)
Improvement of learning and teaching effectiveness, including recent developments in human development (cognitive, social, emotional), human learning (behavioral and cognitive) and teaching/instruction. (Elementary and secondary.) Fall semester.

ED 537E RESEARCH SEMINAR I: QUANTITATIVE RESEARCH (1)

Overview of methods used in quantitative research, including descriptive, correlational, causal comparative and experimental; how to do a literature review; and how to base research questions in one's own professional values and concerns. (Elementary and secondary.) Summer term I.

ED 538E RESEARCH SEMINAR II: QUALITATIVE RESEARCH (1)

Overview of qualitative research procedures; designing a study of one's own practice to be conducted during student teaching. (Elementary and secondary.) Jan Term.

ED 539E RESEARCH SEMINAR III: STATISTICS (1)

Analysis of qualitative and quantitative data, assistance in analyzing data from one's own study of practice as a classroom teacher; preparation for writing thesis. (Elementary and secondary.) Summer term II.

ED 545E PHILOSOPHY AND METHODS FOR ELEMENTARY EDUCATION (8)

Classroom and schools as social systems; planning, management and implementation of curriculum and instruction which integrates literacy with effective teaching of math, social studies, science and the creative arts; research and experience-based principles of effective practice. (Elementary level.) Fall semester.

ED 545F PHILOSOPHY AND METHODS FOR SECONDARY EDUCATION (6)

Classrooms and schools as social systems; planning, managing and implementing pedagogy to meet diverse needs in the secondary school; research and experience-based principles of effective practice. (Secondary level.) Fall semester.

ED 551 CORE: MILESTONES IN EDUCATION (3)

Survey of the history of Western education; links between education, Christianity and liberal arts; social, historical and philosophical foundations related to MIT students' personal educational philosophies. (Elementary and Secondary.) Summer term II.

ED 590A ELEMENTARY TEACHER-SCHOLAR PRACTICUM 1 (2)

A teaching experience in a public elementary school classroom: full time when the MIT student reports in late summer; two and a half days a week after MIT classes begin; one day a week in mid-October. Seminars are scheduled occasionally to discuss issues of the field, impact of technology, ethics, school law, educational policy and other current issues. Grade is Satisfactory/Not Satisfactory. (Elementary level.) Fall semester

ED 590B ELEMENTARY TEACHER-SCHOLAR PRACTICUM 2 (14)

Student teaching in the assigned public elementary school classroom with scheduled on-campus seminars to guide professional development and to prepare for job placement activity. Grade is Satisfactory/Not Satisfactory. (Elementary level.) Spring semester.

ED 590C ELEMENTARY TEACHER-SCHOLAR PRACTICUM 3 (2)

Half-time student teaching in the assigned public elementary school classroom from mid-May until the last week; full time during the last week of school. Grade is Satisfactory/Not Satisfactory. (Elementary level.) Summer term II.

ED 590D TECHNOLOGY IN EDUCATION SEMINARS: THEORY AND PRACTICE (1)

Computer literacy for teachers. General computer use and vocabulary, choosing commercial teaching software, educational issues. Emphasis on integration of technology into the classroom. (Elementary and secondary.) Fall semester.

ED 590E SECONDARY TEACHER-SCHOLAR PRACTICUM 1 (2)

A teaching experience in a public school junior high or high school: full time when the MIT student reports in late summer; two and a half days a week after MIT classes begin; one day a week in mid-October. Seminars are scheduled occasionally to discuss issues of the field, impact of technology, ethics, school law, educational policy and other current issues. Grade is Satisfactory/Not Satisfactory. (Secondary level.) Fall semester.

ED 590F SECONDARY TEACHER-SCHOLAR PRACTICUM 2 (14)

Student teaching in the assigned public junior high or high school with scheduled on-campus seminars to guide professional development and to prepare for job placement activity. Grade is Satisfactory/Not Satisfactory. (Secondary level.) Spring semester.

ED 590G SECONDARY TEACHER-SCHOLAR PRACTICUM 3 (2)

Half-time student teaching in the assigned public junior high or high school from mid-May until the last week; full time during the last week of school. Grade is Satisfactory/Not Satisfactory. (Secondary level.) Summer term II.

ED 599 THESIS (6)

Completion of a thesis using data collected during a study of one's own instructional practice as a student teacher. (Elementary and secondary.) Fall semester (3 SC) and Summer term II (3 SC).

MA 221 THEORY OF ARITHMETIC (4)

Development of number systems, vocabulary and symbolism, current strategies in arithmetic, algebra and geometry. (Elementary level.) Summer term I.

GRADUATE PROGRAM IN INTERNATIONAL MANAGEMENT FOR BUSINESS AND DEVELOPMENT

Master of International Management Degree

FACULTY: Dan C. Sanford (director), John A. Falvey, Richard Hergenrather, Richard E. Schatz

The Graduate Program in International Management for Business and Development is a course of study leading to the Master of International Management (MIM) degree, which is now offered by several universities in and outside of the United States. The program is designed to meet the need for global management skills desired by currently employed professionals and by recent college graduates. The schedule of courses for the MIM is an accelerated full-time track suited to persons employed during the day time. The instructional program was begun in 1993 with the encouragement of the Spokane Intercollegiate Research and Technology Institute (SIRTI), which is an association of businesses and Spokane's five institutions of higher education—Whitworth College, Gonzaga University, Community Colleges of Spokane, Eastern Washington University and Washington State University. A regional and international advisory board of business and organizational leaders provide guidance to the MIM program.

Primary elements of the curriculum are:

- two emphases which prepare students for effective leadership in trade and business and assist students interested in nonprofit human service organizations having international operations;
- instruction which emphasizes the role of Christian ethics and other value systems that may guide managers in their motives and decision making;
- a focus on cross-cultural competency as a critical skill for managers both domestically and overseas;
- knowledge of basic verbal foreign language skill with specialized vocabulary that relates either to business or other nonprofit international organizations;
- practical response to area business needs and application to international environments through projects

or internships which may be conducted overseas;

- special attention to the requirements of international managers to understand international economics, new technologies, quality issues, and global information gathering;

- instructors employ collaborative learning styles and students typically form cohort groups with common periods of entrance into the program. Classes have an international mix of participants;

- emphasis on the economies and development of Pacific Rim countries;

MISSION STATEMENT

The Graduate Program

The MIM program balances practical competency with theoretical understanding. It maintains high academic standards while utilizing methodology suited to diverse learners. Throughout the instruction the program integrates the disciplines of social sciences, languages, management and technology. The program seeks to tailor portions of the curriculum to the individual student's career objectives. It fulfills identified needs of constituents world-wide with education appropriate for international activities in business, economic development, human and environmental services, and technology.

Schedule

A typical format for courses is a six-week period with instruction given two evenings during the week. Courses will run consecutively, with September being the usual start-up of each cohort class. Foreign language classes usually extend throughout each semester. Most students will be able to complete course requirements within a period of 15 months. The summer program typically consists of a foreign language tutorial and projects or internships. The remaining semester of the program provides each student the opportunity to specialize either in business or in nonprofit development and a particular global-area study.

APPLICATION PROCEDURES AND ADMISSION CRITERIA

Admission decisions are related to the applicant's graduate examination score, undergraduate academic record, recommendations, prior experience, and approved English language test for students whose native language is not English.

The following guidelines apply:

1. Transfer courses from other graduate programs will be assessed

carefully and, typically, only six semester credits or 10 quarter hours will be considered for transfer.

2. A TOEFL score of 550 is required for students who are not native speakers of English.

3. Applicants must hold a bachelor's degree from an accredited or chartered college or university.

Prerequisites

The following undergraduate prerequisites are necessary:

- Principles of Microeconomics
- Principles of Macroeconomics
- Principles of Management
- One year of a foreign language

The following prerequisites are strongly recommended:

- Introduction to Finance
- Accounting
- Statistics
- Marketing
- International Relations
- Second year of a foreign language

Note: Prerequisites may be challenged through examinations or special intensive workshops.

Application Procedures

1. Complete the application form.

2. Application deadline for September entrance is April 15.

3. Submit one official transcript from each college or university attended. These transcripts become part of the official application file and cannot be returned to the student. It is the applicant's responsibility to order official transcripts sent to the Graduate Program in International Management, Whitworth College, 300 W. Hawthorne Road, Spokane, Wash., 99251-2704, U.S.A.

4. Take verbal and quantitative sections of the Graduate Record Examination (General Test) or the General Management Aptitude Test. Please have the score report sent directly to Whitworth College (college code: 4953). The application process for these exams is handled directly through the Educational Testing Service, Princeton, N.J. Assessment of scores in the admission process will be on an individual basis.

5. Enclose a one-page essay stating your reasons for entering the MIM program.

6. Provide two recommendations sent directly to the MIM office by appropriate references, either former instructors or employers.

7. Non-degree participants must meet all of the requirements expected of degree candidates. Class enrollment is given on a space-available basis, giving priority to full degree participants.

Note: International students unable to meet all of these

entrance requirements are encouraged to consider application to Whitworth's post-baccalaureate program, a semester-long or one-year program designed to help students improve their English language skills. Completion of the post-baccalaureate program does not guarantee admission to graduate school.

MIM DEGREE REQUIREMENTS (34)

Core Courses (14)

IM 501	International Trade and Finance	3
IM 502	Management for a Global Market	3
IM 503	Political Environments for Business and Development ..	3
IM 504	Ethical Issues in International Management	2
IM 505	Organizational Behavior	3

Foreign Language 9
Foreign language instruction is offered in small groups focusing on business vocabulary. Entering students will have a foreign language placement test. Any of the three-credit language courses may be taken overseas. Two tracks of foreign language study are offered. The minimal requirement is to complete two courses at the intermediate level and one at the advanced level. Students entering with an advanced competency are required a minimum of one three-credit MIM foreign language class from Track 2, substituting other electives for the remaining six credits.

Foreign languages currently being offered are Japanese, Spanish, French, Chinese, Russian, German.

TRACK 1

IM 540	Intermediate Language for Managers I
IM 541	Intermediate Language for Managers II
IM 543	Advanced Language for Managers I

TRACK 2

IM 543	Advanced Language for Managers I
IM 544	Advanced Language for Managers II
IM 545	Advanced Language for Managers III

Non-native speakers of English will have an English language placement test. If necessary they will improve their English language skills through a required three-credit "Research Writing" class. For the other six credits, they may choose to study another language or take elective courses.

Internship and/or Final Project:	2
IM 590 Internship	
IM 598 Final Project	

Electives:	(9)
IM 506	Issues in Global Management
IM 512	Managing Technology in the Global Marketplace
IM 513	Economic Development
IM 520	International Marketing
IM 514	Survey of Accounting, Finance and Production Management
IM 530	International Political Economy
IM 535	Advanced Applications

ACADEMIC STANDARDS

1. Graduate degree specializations must be built upon adequate undergraduate preparation.
2. Workshops, correspondence courses, video courses, or independent studies may not be transferred in from another college or university. Only those courses graded with a "B" or better are eligible for transfer.
3. Documentation of experience will be required of anyone seeking to substitute experience for prerequisites.
4. Degree recipients must achieve a cumulative grade point average of 3.00 on a 4.00 scale for all courses taken as part of the approved degree.
5. No credit toward the degree will be allowed for a course in which the student receives a grade below "C." For any semester during which the student's graduate GPA falls below 3.00, the student is placed on academic probation. Students will be dismissed from the graduate program if three grades of "C" or lower are acquired or if they are placed on academic probation more than twice.
6. Incomplete grades are given only in emergency situations. The student and instructor sign a statement indicating the reason for an incomplete and file this with the registrar. The incomplete must be removed within six weeks following the end of the term in which the student enrolled.
7. An In-Progress (IP) grade is given only for internships or projects. In-Progress marks must be removed within six months of receiving the "IP" grade. If not, the student must re-enroll and pay tuition again for the course.
8. All degree requirements must be completed within six years.
9. To be considered full time, a student must complete at least six semester credits within the academic semester at the college. Scholarship recipients must enroll in a normal schedule of nine credits during each term, two during January, and five during the summer.
10. Students may apply six semester credits of coursework taken as non-degree enrollees for completion of the degree. After completion of at least two courses with non-degree status, the student is encouraged to make formal application for degree standing.
11. A maximum of two courses or six semester units of independent study may be applied to fulfill the total credits required for the degree.

GRADUATION PROCEDURES

Students must file an application for graduation in the MIM office to have the exit evaluation performed. This application is to be filed by December 1. Formal graduation takes place mid-May.

All course work and any comprehensive exams must be completed by the end of the term prior to the degree-posting date. Whitworth College has three posting dates each year: mid-August, January 31 and mid-May.

INTERNATIONAL MANAGEMENT COURSES

IM 501 INTERNATIONAL TRADE AND FINANCE (3)

Foundations of international trade and finance. Issues in commercial trade policies of the U.S. and its principal trading partners; trade in new technologies and services; international capital flows; role of international financial institutions; case studies in U.S.-Asian trade and finance relations, North American free trade zone.

IM 502 MANAGEMENT FOR A GLOBAL MARKET (3)

Principles of management in the international environment. Strategic planning and decision making in such areas as international marketing. Concepts of organizational design, leadership and control. Emphasis on management styles for Christians and interdependence issues.

IM 503 POLITICAL ENVIRONMENTS FOR BUSINESS AND DEVELOPMENT (3)

Introduction to important conceptual and practical approaches to comparative political analysis and political risk assessment. Case studies of government policies affecting business and development. Examination of political institutions, patterns of political interaction and leadership.

IM 504 ETHICAL ISSUES IN INTERNATIONAL MANAGEMENT (2)

Ethical implications of practices in modern and traditional societies. Value issues relating to bribes, advertising and sales, quality control, environmental standards, employee benefits, personnel policy, gender and sexuality issues, community involvement and philanthropy, truthfulness, censorship and freedom of information. Christian perspective on these issues considered.

IM 505 ORGANIZATIONAL BEHAVIOR (3)

Practical issues of management in foreign cultures, including study of Total Quality Management. Topics include leadership dynamics, group motivation, and comparative management techniques based on the patterns of organizational behavior in different countries.

IM 506 ISSUES IN GLOBAL MANAGEMENT (3)

Selected topics critical to international business operations may include the following: Cross-cultural communication, entrepreneurship, international business law, patent protection; partnership guarantees and other legal problems; data retrieval and information sources for new technologies; environmental concerns, and types of cross-national alliances.

IM 512 MANAGING TECHNOLOGY IN THE GLOBAL MARKETPLACE (3)

Study of principal new technologies being researched in our region and globally. Introduction to terms and definitions, research characteristics and transfer processes, manufacturing in new technology, feasibility, expertise, and general scientific concepts needed for the manager to understand technology. Special emphasis on biotechnology, environmental needs, manufacturing design, and human interface with technology in the work place.

IM 513 ECONOMIC DEVELOPMENT (3)

Theory and comparative study of economic growth and develop-

ment, roles of government, private sector, non-government organizations and international agencies in economic development.

IM 514 SURVEY OF ACCOUNTING, FINANCE AND PRODUCTION MANAGEMENT (3)

Overview of financial and accounting practices and issues; survey of the principles of financial analysis; introduction to project planning and project appraisal, including cost-benefit analysis with business, governmental and nonprofit sector applications.

IM 515 CASE STUDIES IN DEVELOPMENT (2)

For the nonprofit-directed student, this guided study requires an extensive research paper outlining a major social or economic enhancement project from beginning to end. May be offered occasionally as a guided readings course.

IM 520 INTERNATIONAL MARKETING (3)

Managerial marketing concepts applied in industrialized countries. Marketing activities and direct foreign investment. Full consideration of international start-up operations and issues for large and small global marketers. Characteristics, trends, opportunities, strategic planning and control issues.

IM 530 POLITICAL ECONOMY (3)

Interaction between government and economy with emphasis on such topics as foreign economic policies, government trade policies, international economic integration schemes, and relationships between government leaders and native businesspersons. Course may be taught as guided reading with specific country focus.

IM 535 ADVANCED APPLICATIONS (3)

A capstone course in which students apply previous coursework to develop a feasibility study for overseas operations or programs whether they are profit or nonprofit oriented. Emphasis on practical skills and abilities for management employment.

IM 590 INTERNSHIP (2)

Overseas or local internships are arranged through MIM advisors and/or institute director. Internship includes final written report that reviews learning and research conducted during the internship and integrates previous coursework into final summary.

IM 598 FINAL PROJECT (2)

Market research or similar project approved by graduate advisor. Project may relate to SIRT product development and should incorporate previous graduate coursework.

IM 540-545 FOREIGN LANGUAGES: JAPANESE, SPANISH, FRENCH, CHINESE, RUSSIAN, GERMAN (3)

Specialized language courses give attention to business and professional vocabulary and emphasize speaking, listening, reading and writing skills. Tasks include talking on the telephone, completing forms, writing memos and business letters. Placement test determines language level and section number.

Three of the following: 9

- IM 540 Intermediate Language for Managers I
- IM 541 Intermediate Language for Managers II
- IM 543 Advanced Language for Managers I
- IM 544 Advanced Language for Managers II
- IM 545 Advanced Language for Managers III

MASTER OF NURSING PROGRAM

Students are admitted to the Graduate School or program of the sponsoring institution from which they wish to receive their degree (Eastern Washington University, Washington State University, or Whitworth College), as well as to the graduate program of the ICNE. By inter-institutional agreement, the three sponsoring institutions charge the same tuition and fee rate for students in the ICNE Master of Nursing program. Supporting non-nursing courses may be taken at any one of the sponsoring institutions.

Criteria for Admission:

1. a bachelor's degree in nursing from an NLN-accredited program;
2. minimum 3.00 GPA in undergraduate work (exceptions may be made based on substantial evidence of extra scholastic qualifications);
3. satisfactory scores on the general Graduate Record Examination;
4. history-taking and physical assessment skills (within past 2 years for FNP applicants);
5. successful completion of a basic statistics course;
6. favorable recommendations regarding practice and potential for graduate work in nursing;
7. eligibility for licensure to practice nursing in Washington;
8. written goal statement congruent with the program's philosophy and focus;
9. clearance from the Washington State Patrol;
10. two years successful nursing practice (for FNP applicants);
11. satisfactory completion of written interview (for FNP applicants);

While not an admission criterion, word-processing computer skills have been found advantageous by entering students. Due to heavy writing assignments that are required to be computer-generated, the acquisition of computer skills before entering the program is strongly advised. WordPerfect is supported by the ICNE computer lab and is preferred by most faculty members. Computers at the ICNE are either IBM or IBM-compatible.

The ICNE is now requiring that persons admitted to the graduate program have been immunized for hepatitis B prior to registration in any course, including a practicum.

Please send verification that you have been immunized with the series of doses required.

Admission Procedures:

1. Prospective students must obtain and complete application forms from the ICNE Graduate Program Office and the Continuing Studies Office at Whitworth College.
2. The application to the ICNE Master of Nursing program must be completed and returned to the Graduate Program Office at the ICNE. The Whitworth College graduate application must be completed and returned with the application fee to Continuing Studies, Whitworth College.
3. Transcripts of all baccalaureate and post-baccalaureate coursework must be sent to both the Graduate Program Office of the ICNE and the Continuing Studies Office, Whitworth College.
4. Request Graduate Record Examination scores be sent to Continuing Studies, Whitworth College.
5. Recommendation forms must be completed by three persons who are familiar with the applicant's potential for nursing leadership and for academic success and sent to the ICNE Graduate Program Office.
6. An individual résumé must be sent to Continuing Studies, Whitworth College.
7. The written interview is to be sent to the graduate office, ICNE (FNP applicants).

Requirements for the Master of Nursing Degree (39)*

*Family Nurse Practitioner (45)

I. Required Core Courses: (12-15)

NU 503	Theoretical Perspectives in Nursing*	3
NU 504	Methods of Nursing Research	4
NU 507	Professional Issues	2
One of the following:		6 or 3
NU 600/700	Thesis(3) required for Acute Care, Community Health, Psychiatric/Mental Health Nursing	
NU 601/701	Clinical Project (3) required for FNP	

II. Courses for each area of concentration A. Community Health Nursing (24-27)

NU 551	Advanced Community Health Nursing: Concepts and Issues	3
NU 552	Family Nursing in the Community	2-4
NU 554	Epidemiological Approaches to Community Health	3
NU 556	Advanced Community Health Nursing Practice	3-4
NU 566	Community Analysis and Program Planning	3-4
Support courses to total 39 semester credit		6-13

B. Acute Care (24-27)

NU 536	Practicum in Acute Care	3-4
NU 537	Role Analysis: Clinical Nurse Specialist/Family Nurse Practitioner	2
NU 539	Clinical Nurse Specialist Practicum	2
NU 576	Advanced Concepts in Nursing	3
NU 581	Advanced Pathophysiology I	4
NU 582	Advanced Pathophysiology II	3
Support courses to total program of 39 semester credits		6-10

C. Psychiatric/Mental Health Nursing (24-27)

NU 541	Psychiatric/Mental Health Nursing: Individual ...	4
NU 543	Psychiatric/Mental Health Nursing: Groups and Families	4
NU 546	Practicum in Psych/Mental Health Nursing ...	4-5
Support courses to total program of 39 semester credits:		11-15

D. Family Nurse Practitioner (35-36)

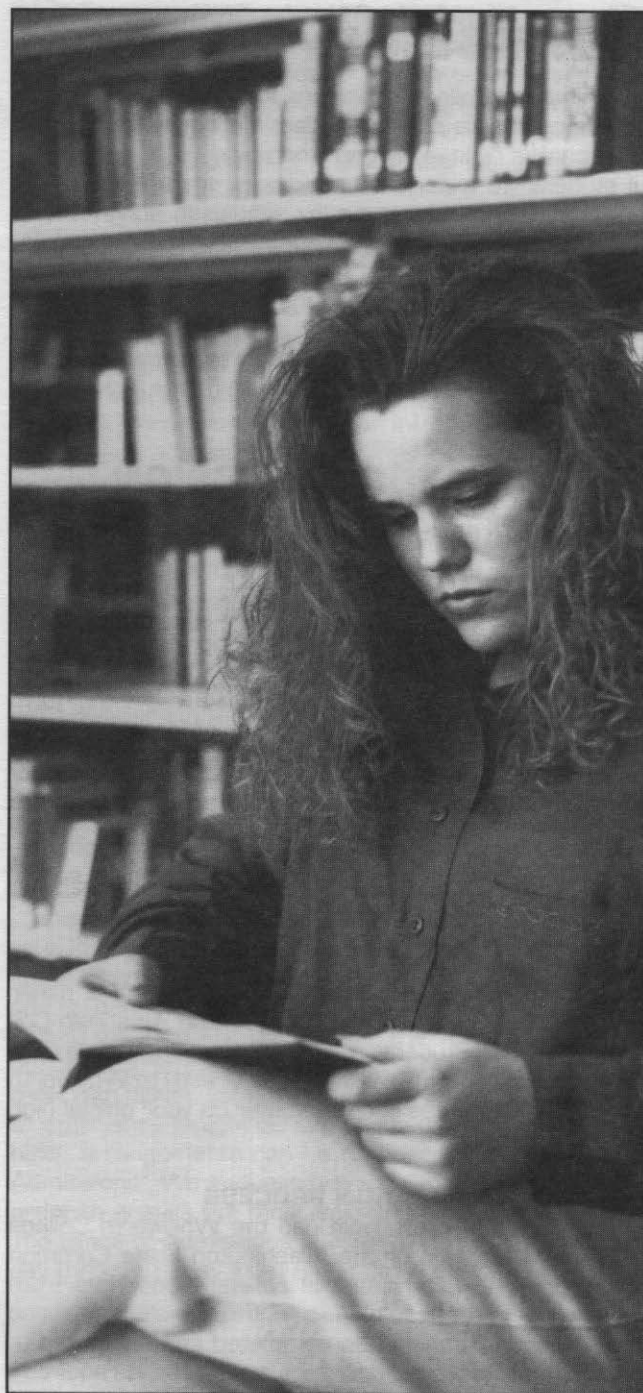
NU 537	Role Analysis: Clinical Nurse Specialist/Nurse Practitioner	2
NU 562	Advanced Physical Assessment & Differential Diagnosis ..	3
NU 563	Pharmacology: Advanced Concepts and Practice ..	3
NU 564	Health Promotion in Nursing Practice	3
NU 565	Information Management for Nursing Practice ..	3
NU 566	Community Analysis and Program Planning	3-4
NU 567	Primary Care: Adults and Elders	4
NU 568	Primary Care: Infants, Children & Adolescents ...	3
NU 569	Primary Care: Family	4
NU 581	Advanced Pathophysiology I	4
NU 582	Advanced Pathophysiology II	3

E. Support Courses

Students may take supporting coursework in nursing and/or non-nursing studies. Students may elect or be advised to supplement their program of study with additional courses or through independent study. Support courses may be taken from areas other than the student's chosen area of study. Nursing support courses include:

NU 513	Innovative Management & Leadership
NU 517	Financial & Human Resource Management
NU 521	Teaching, Learning & Evaluation
NU 523	Nursing Education: Role Analysis & Curriculum Development
NU 524	Multimedia Methods of Instruction
NU 577	Ethics in Health Care
NU 583	Advanced Gerontology
NU 592	School Nursing I
NU 594	School Nursing II
NU 598	Special Topics
NU 599	Independent Study (also numbered NU 591)

* NU 503 is not required for students in the Family Nurse Practitioner area of concentration; these students will take NU 601 instead of NU 600.



Admission

Whitworth College considers for admission students who demonstrate strong academic promise to compete in a rigorous college program combined with a meaningful student life experience. Students are selected from those applicants who prove by scholastic achievement, measured aptitude, and other personal traits their ability to succeed at Whitworth. A college preparatory curriculum is required for entrance, and the relative strength of one's academic performance is strongly considered.

Whitworth College admits students without regard to age, race, color, religion, national origin, sex, marital status or disability.

APPLYING FOR ADMISSION FRESHMAN APPLICATION PROCESS APPLICATION

All freshmen should complete sections 1 and 2 of the Whitworth College Freshman Application for Admission. The Washington State Common Application can be used; however, additional information will be required. Either form should be submitted to the Office of Admissions at Whitworth College (no application fee is required).

SCHOOL REPORT

Section 3 should be given to your high school counselor, who will mail it along with your official high school transcript directly to the Office of Admissions.

ENTRANCE EXAMS

All freshmen are required to submit results of either the Scholastic Aptitude Test (SAT) or the American College Test (ACT). Students should ask the appropriate testing agency to report the test scores directly to Whitworth College, unless these scores appear on your official high school transcript.

TRANSFER APPLICATION PROCESS

Transfer students should use the Whitworth College Transfer Application or the Washington State Common Application and submit official college transcripts from each college attended. In addition, the transfer reference form (Section 3) should be completed and submitted to the Office of Admissions (no application fee is required).

College students with fewer than 30 semester hours or 45 quarter hours of degree-seeking credits will be required to submit their high school transcript and SAT or ACT test results.

INTERNATIONAL STUDENT APPLICATION PROCESS

Students who are not citizens or permanent residents of the United States are encouraged to apply for admission. International students should complete the International Student Application and submit it to the Office of Admissions (no application fee is required). Students should include with their application an official guarantee of funds (in the form of an official letter of sponsorship and/or an official bank statement showing funds available), academic transcripts, certified English translations of all transcripts and the official results from a TOEFL exam. Applicants with a score of 460-524 are considered for conditional admission. (Regular admission is automatically granted upon successful completion of the Whitworth English Language Program.) Students with a score of 525 or better are considered for regular admission. For further information, write or call the Office of Admissions.

EVALUATION AND ACCEPTANCE

Each application is carefully reviewed before the Admissions Committee grants admission to the college. Grade point average, test scores, class rank, course pattern, quality of written application, extracurricular participation, and leadership are all considered in the admission decision process.

Early Decision Option

If, after reviewing the possible college choice options, you decide that Whitworth College is your first choice, you may apply for early decision. Early decision is generally for students with above-average achievement and aptitude, and is reserved for students who identify Whitworth College as their first choice. Early decision candidates will receive preferential treatment in the processing of class pre-registration and campus housing. Early decision candidates must follow the timetable below:

Application material due	Nov. 30
Notification of decision by	Dec. 15
Enrollment deposit due	Jan. 31
(non-refundable after May 1)	

Regular Admission Option

The Whitworth College Application for Admission or the Washington State Common Application must be completed and submitted with the proper credentials as outlined in the section "Application Process." Whitworth has a preferred application date of March 1 for freshmen and June 1 for transfer and international students. In order to accept the offer of admission, the applicant is required to submit a \$200 enrollment deposit (\$170 tuition and housing deposit and \$30 matriculation fee). This enrollment deposit will hold your place in the new student class and is non-refundable after May 1.

Application Dates

March 1 (freshmen)
June 1 (transfers)

HONORS ADMISSION

Applicants who have an outstanding academic record may be selected for Whitworth's Honors at Entrance Program. This program consists of an enhancement of the curriculum with select honors options, and, for the first semester, membership in the Laureate Society with the opportunity to enroll for two additional credits beyond the normal full-time load at no additional cost. Details of the program are forwarded to qualified applicants upon acceptance.

ADVANCED PLACEMENT

Whitworth College is supportive of the Advanced Placement Program of the College Entrance Examination Board (CEEB). Students admitted to Whitworth who have received scores of three will be given placement. Students with scores of four or five will be given three semester credits or more for each subject area, to a maximum of 32 semester credits (sophomore standing). In addition, tests in some areas will also gain the student credit applicable toward a major and/or the waiver of a general graduation requirement.

DEFERRED ADMISSION

Students may apply for admission during any given year, and, if admitted, can defer their admission and attendance at Whitworth for two semesters. If the student must delay longer than the two semesters, he or she must submit a new application for admission. Deferral is granted on a case-by-case basis.

RE-ADMISSION OF FORMER STUDENTS

Students who have attended Whitworth and subsequently have attended another college or university must reactivate their admission by completing the Whitworth College Application for Readmission (no application fee is required) and submitting it along with transcripts from any other schools attended.

PART-TIME STUDENT ADMISSION

Students enrolled for fewer than 12 semester credits are considered part time. The part-time student classification can be on a credit or audit basis. Students seeking an undergraduate degree on a part-time basis (usually through courses taken in the evening) should contact the Office of Continuing Studies for information on degree options and admissions procedures. Students interested in graduate degrees in Education (Master of Education, Master of Arts in Teaching) should contact the graduate office in this area for admissions procedures, catalogs, and financial information. Those interested in the Master's in Teaching degree should contact the School of Education. Students seeking a master's degree from the International Management for Business and Development program should contact the director. Part-time students seeking a Master's in Nursing degree should contact Continuing Studies. Part-time students not seeking a degree from Whitworth are not required to complete the formal admissions process; they may register directly through the Registrar's Office.

CAMPUS VISITS AND INTERVIEWS

One of the best ways to discover how a college meets your individual needs is through a campus visit. A personal interview is not required for admission; however, one is recommended. This can be accomplished during a visit to the campus. In addition, the visitor will have the opportunity to tour the campus, sit in on classes, and meet with faculty, staff, and coaches. If an applicant wishes to experience a night on campus in one of our residence halls, arrangements can be made through the Office of Admissions. We request two weeks' advance notice in order to ensure the most enjoyable and rewarding visit. The Office of Admissions is open for appointments Monday through Friday from 8 a.m. to 4:30 p.m.

Financial Information

COSTS AND FEES

Whitworth College is an independent institution and, like most such institutions, receives minimal support from public funds. Each student is charged tuition and fees that cover approximately three-fourths of what it costs the college to provide its services. The balance of these costs is met by income from endowment and by gifts from trustees, alumni, and other friends of the college. Since prompt payment of student bills is important in maintaining our quality educational program, all details for paying current charges must be finalized before students enroll for classes. Payment in full is due at the beginning of each semester, or students and their parents may desire to use the FACTS budget plan that spreads payments over a 4-month period each semester (August–November for fall, January–April for spring).

During 1993-94, Whitworth students received \$4,230,345 in scholarships and other financial aid from Whitworth and more than \$1,453,378 through Whitworth from federal and state sources.

Costs for the 1995-96 academic year

Tuition	\$13,410
Room and Board	4,900
Assoc. Student Body Fee	126
Campus Center Fee	24
Total	\$18,460

A full-time academic load is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in Jan Term.

Room and board charges do not cover regular college vacation periods. The above rate provides for a double room and 15 meals per week. Two other "meals-per-term" plans are also available. Students in private rooms pay 40 percent additional room rent.

All full-time students are required to be covered by Plan I Accident/Medical Insurance. The cost for this insurance is \$30 per term or \$60 per year. This plan has a maximum benefit of \$5,000 per accident.

A second plan for medical insurance has a limit of \$10,000 per illness. The cost for this insurance is \$100 per year. If a student has other insurance, this excess coverage insurance may be waived by bringing proof of

insurance to the Business Office during the first two weeks of classes. This coverage is by a secondary carrier and will pick up deductibles for other insurance plans.

More information will be available in the Business Office. Additional expenses for books, supplies, personal items and transportation will vary with each student, and are a necessary consideration when planning total costs.

Since fees are published several months in advance of the academic year, the Board of Trustees reserves the right to change this fee structure.

Miscellaneous Costs (1995-96)

Part-Time Day School

For students enrolling for less than a full-time academic load, tuition is charged by semester credit.

Per semester credit.....\$ 550

Excess semester credits

For semester credits in excess of 17.5 semester credits, fall and spring semesters, 5 credits Jan Term.

Per semester credit.....\$ 390

Audit Fee

Per semester credit.....\$ 275

Evening School

The maximum undergraduate courseload in evening school is 8 semester credits.

Per semester credit.....\$ 140

Combination Day and Evening Classes

Evening School, per semester credit.....\$ 140

Day School, per semester credit.....\$ 550

Graduate program rates are contained in the specific program bulletins.

Special Course Fees

Several courses carry special fees (Art, Computer Science, Physical Education, and others) to cover extra costs. These courses are listed in the course schedule for each semester.

Change in Registration Fee

Per schedule change.....\$12

Late Registration Fee.....\$40

Diploma Fee.....\$40

Transcript Fee.....\$4

(Transcripts are released only when all financial accounts are current.)

A more detailed list of miscellaneous fees is available from the Business Office.

All fees are subject to change without notice. Fees for off-campus and foreign study vary according to the program. For additional financial information, check with the office of Off-Campus Study Programs.

TUITION AND FEES REFUND POLICY

All refunds must be claimed through proper application to the Business Office. Students may secure the forms from the Registrar's Office for class drops and withdrawals. The date the form is received by the Registrar's Office will be used to establish the refund date.

The published Refund Schedule for 1995-96 is available in the Business Office. Students must secure the forms from the Registrar's Office for class drops and withdrawals. The date that the form is received by the Registrar's Office will be used to establish the refund/withdrawal dates.

A student who officially drops or withdraws from classes during the course of the term is eligible for an adjustment of charges as follows:

Withdrawal/Drop	Refund	Applicable to
First (1st) Week	100%	Tuition, room and course fees. Board prorated.
Second (2nd) Week	90%	Tuition, room, no fees. Board prorated.
Third (3rd) Week	80%	Tuition, room, no fees. Board prorated.
Fourth (4th) Week	60%	Tuition, room, no fees. Board prorated.
Fifth (5th) Week	40%	Tuition, room, no fees. Board prorated.
Sixth (6th) & Seventh (7th) Week	25%	Tuition, room, no fees. Board prorated.
Eighth (8th) Week	0%	Tuition, room, no fees. Board prorated.

A pro-rated refund applies to first-time students (first semester) who are receiving federal financial aid. Please contact the Financial Aid Office for further information.

REFUND POLICY

WORKSHOPS AND SPECIAL ("S") COURSES

Refunds minus a \$10 service charge will be granted up to 72 hours before the first class meeting. While no refunds can be given after the 72-hour limit, qualified participants may transfer credits to another "S" course.

ROOM AND BOARD REFUND POLICY

All refunds must be claimed by proper application through the Residence Life Office. Resident Assistant (R.A.) must sign and date check-out form. See refund schedule under Tuition & Fees Refund Policy.

FINANCIAL AID

Whitworth College is committed to assisting students and their families in obtaining the necessary resources to attend Whitworth College. Many students and their families qualify for financial assistance through our financial aid programs, which provided more than \$10 million in assistance last year. More than 80 percent of our students qualify for financial aid based on financial need. Financial aid awards often consist of some types of grants or scholarships, as well as student loans and work-study. Financial aid funding is provided by Whitworth College, the federal government, the state of Washington, and private donors.

To be considered for financial aid at Whitworth College, the student should take the following steps:

1. **APPLY FOR ADMISSION TO WHITWORTH COLLEGE.**
A financial aid award will be prepared only after a student has been accepted to the college.

2. **SUBMIT THE FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA)** to the federal processor. Students should designate on the FAFSA that they want their application information sent to Whitworth College (code #003804). Applications should be submitted as soon after January 1 as possible. We give priority consideration for funding to those students who are admitted and who submit the FAFSA to the processor by March 1. Applications after March 1 are still welcome, but less aid may be available.

3. **SUBMIT WHITWORTH'S SUPPLEMENTAL INFORMATION FORM** to the Financial Aid Office at Whitworth. Supplemental Information Forms are available from the Financial Aid Office.

4. **RESPOND PROMPTLY** to requests for additional information that is required to complete the financial aid

process. Requests may include Financial Aid Transcripts (for transfer students), proof of high school graduation, and copies of 1040 tax returns.

5. **SIGN AND RETURN THE FINANCIAL AID AWARD NOTICE.** Whitworth College will receive a rough estimate of each applicant's family contribution. Once these results are received and the student has been admitted, the Financial Aid Office will review the application and notify the student of the types and amounts of aid he or she will be eligible to receive by sending a Financial Aid Award Notice. The award may be **ESTIMATED** if additional information is needed to determine a student's exact eligibility. Therefore, **ESTIMATED** awards are subject to change once complete information is received. A student may accept the award in total or in part. The award notice will have a response deadline. Please adhere to this deadline.

6. **NOTIFY THE FINANCIAL AID OFFICE OF ANY CHANGES** in the family's financial status or receipt of increased resources, including outside scholarships.

7. **MAINTAIN SATISFACTORY ACADEMIC PROGRESS.**

NORMAL PROGRESS AND FINANCIAL AID

The normal load for full-time students is 12 to 17 semester credits in the fall and spring semesters and three to five semester credits in the January term. Registration for less than a full-time load will prevent a student from receiving some forms of financial aid.

A student must average 32.5 credits per year in order to graduate in four years. The total number of semester credits required for graduation is 130. The maximum allowable time for a financial aid recipient to complete a degree and receive aid is five and a half years.

More information on financial aid is available from the Financial Aid Office. If you would like a brochure or have any questions about financial aid, please call the Financial Aid Office at 1-800-533-4668.

SCHOLARSHIPS FROM GIFTS TO WHITWORTH COLLEGE

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SCHOLARSHIP FUNDS REQUIRING SEPARATE APPLICATIONS

Contact the Financial Aid Office for an application.

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Salah Badjou, Ph.D., Northeastern University, M.S., B.S., Syracuse University, Assistant Professor of Physics (1995)

Forrest E. Baird, Ph.D., M.A., Claremont Graduate School and University Center, M.Div., Fuller Theological Seminary, B.A., Westmont College, Professor of Philosophy (1981)

Laura J. Bloxham, Ph.D., M.A., Washington State University, B.A., Whitworth College, Professor of English (1975)

E. Victor Bobb, Ph.D., D.A., M.A., University of Oregon, B.A., Washington State University, Professor of English (1986)

S. Michael Bowen, Ph.D., University of California at Los Angeles, M.A., Harvard University, B.A., Stanford University, Assistant Professor of English (1990)

Katherine V. Brainard, M.A., University of Oregon, B.A., University of Idaho, Instructor of French (1994)

Susan P. Bratton, Ph.D., Cornell University, M.A., Fuller Theological Seminary, A.B., Barnard College, Columbia University, Edward B. Lindaman Chair of Science, Technology, and Society; and Associate Professor, with Biology department association (1995)

F. Dale Bruner, Ph.D., University of Hamburg, M.Div., Princeton Theological Seminary, B.A., Occidental College, Professor of Religion (1975)

Elisabeth H. Buxton, M.A., University of Virginia, Instructor of German (1994)

Hans E. Bynagle, Ph.D., Columbia University, M.L.S., Kent State University, B.A., Calvin College, Professor, Director of Library (1983)

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Pierrette C. Christianne, M.A., A.B.S., Whitworth College, Associate Professor of French (1963)

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Lyle Cochran, Ph.D., M.S., Washington State University, B.S., Oregon State University, Assistant Professor of Mathematics (1995)

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Richard V. Evans, D.M.A., M.Mus., University of Oregon, B.Mus.Ed., Wheaton College, Professor of Music (1973)

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Diana Trotter, Ph.D., M.A., University of California, Berkeley, A.B., Cornell University, Assistant Professor of Theatre (1994)

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George E. Weber, Ph.D., Gonzaga University, M.B.A., Harvard University, B.A., Whitworth College, Professor of Business and Economics (1965)

Noel R. Wescombe, Ph.D., M.S., University of California, Davis, B.S., California Polytechnic State University, Assistant Professor of Psychology (1994)

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Gordon R. Wilson, M.F.A., Fort Wright College, B.S., Portland State University, Associate Professor of Art (1979)

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Janet S. Yoder, M.A., University of Illinois, B.A., Goshen College, Assistant Professor; Director, English Language Program (1984), Director of English Language and International Services (1993), Director of English Language Program and International Student Academic Programs (1995)

John C. Yoder, Ph.D., Northwestern University, M.Div., Mennonite Biblical Seminary, B.A., Goshen College, Professor of Political Studies (1980)

Michael E. Young, M.A., B.A., University of Washington, Associate Professor of Music (1976)

VISITING FACULTY

Mary J. Elliott, Ph.D. candidate, Boston College, B.A., Yale University, Visiting Instructor of English (1995)

Nancy A. Bunker, M.A., University of Denver, B.A., Washington State University, Visiting Instructor, Coordinator of Reference Services, Library (1994)

Sharon Hartnett, M.A.T., B.A., Whitworth College, Visiting Assistant Professor of Education (1993)

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ADJUNCT FACULTY

Rita A. Brodie, Adjunct Instructor in Physical Education (Ballet)

Mary Kathleen Cantrell, M.A., Washington State University, B.A. University of Idaho, B.S., San Jose State University, Adjunct Instructor of Spanish (1994)

Matvei S. Finkel, Adjunct Instructor in Modern Languages (Russian)

Debra E. Greagor, M.A., Washington State University, Adjunct Instructor in Music

Deborah Harrison, M.A., Brigham Young University, Adjunct Instructor in English

Yen Ling Lee, M.A., University of Illinois, Adjunct Instructor in Chinese

Elaine M. Meyer, B.S., Whitworth College, Adjunct Instructor in Chemistry (Nutrition) and Education

Dottie Mohrlang, M.A., Fuller Theological Seminary, Adjunct Instructor in Religion

Jean L. Pond, Ph.D., University of South Dakota, Adjunct Instructor in Biology

Ronald L. Prosser, Ed.D., University of Arizona, Adjunct Lecturer in Education

Kyle H. Storm, M.A., United States International University, Adjunct Instructor in Education

Anne A. Trefry, M.S., Colorado State University, Adjunct Instructor in Mathematics and Computer Science

Betsy Ward, B.A., University of Washington, Adjunct Instructor in Art

Rodney E. Wecker, B.A., Metropolitan State College of Denver, Adjunct Instructor in Physical Education

Michael A. Westenskow, B.A., Boise State University, Adjunct Instructor in Theatre

Robert J. Wilson, J.D., University of Washington, Adjunct, Visiting Associate Professor in Political Studies

EMERITI

Lewis F. Archer, Ph.D., Drew University, Professor Emeritus of English (1968-88)

Doris H. Banks, M.A., University of Southern California, M.S., Syracuse University, B.S., SUNY-Genesee, Associate Professor Emeritus, Library (1979-90)

Robert D. Bocksch, Ph.D., University of Wisconsin, B.S. Wayne State University, Professor Emeritus of Chemistry, (1958-1993)

John A. Carlson, M.S., University of Washington, Professor Emeritus of Mathematics (1935-71)

Anna J. Carrell, M.M., A.A.G.O., Cincinnati Conservatory of Music, Professor Emeritus of Music (1937-64)

Homer F. Cunningham, Ph.D., New York University, Professor Emeritus of History (1955-81)

A. Ross Cutter Jr., Ed.D., University of California, Berkeley, Professor Emeritus of Physical Education (1958-91)

Harry Dixon, Ph.D., University of Illinois, Professor Emeritus of Business and Economics (1960-84)

R. Fenton Duvall, Ph.D., University of Pennsylvania, Professor Emeritus of History (1949-81)

Ernestine Evans, M.A., Washington State College, Associate Professor Emeritus of Business Education (1941-71)

Martin B. Faber, Ed.D., University of Wyoming, Associate Professor Emeritus of Education (1972-90)

Ronald Frase, Ph.D., M.Th., Princeton Theological Seminary, B.Div., Fuller Theological Seminary, B.S., Wheaton College, Professor Emeritus of Sociology and Latin American Studies (1973-90)

Alfred O. Gray, M.A., University of Wisconsin, Professor Emeritus of Journalism (1946-80)

Nicolin P. Gray, M.S., University of Washington, Professor Emeritus of Biology (1944-48, 1956-80)

Albert C. Gunderson, M.A., University of Washington, Associate Professor Emeritus of Theatre Arts (1964-85)

Garland A. Haas, Ph.D., University of Washington, Professor Emeritus of Political Studies (1961-84)

Pauline D. Haas, M.F.A., Indiana University, Professor Emeritus of Art (1961-85)

David L. Hicks, Ph.D., M.S., University of Georgia, B.A., Cascade College, Professor of Biology (1967-96)

Frank E. Houser, Ph.D., Columbia University, Professor Emeritus of Sociology (1959-87)

Milton E. Johnson, Mus.D., University of Dubuque, Professor Emeritus of Music (1957-84)

J. Russell Larson, M.Ed., Whitworth College, Associate Professor Emeritus of Art (1947-79)

Lillian Whitehouse Lyle, M.A., Whitworth College, Assistant Director of Continuing Studies (1965-81)

Patricia A. MacDonald, Ph.D., M.A., University of Rochester, B.A., University of Washington, Professor Emeritus of Psychology (1955-94)

Paul J. Merkel, M.Ed., Whitworth College, Associate Professor Emeritus of Physical Education (1954-90)

Edwin A. Olson, Ph.D., Columbia University, M.S., B.S., University of Pittsburgh, Professor Emeritus of Geology (1960-91)

Margaret Saunders Ott, M.S., Juilliard School of Music, New York, Honorary Professor Emeritus of Music (1960-82)

Flaval A. Pearson, B.A. Lib., University of Washington, Librarian Emeritus (1958-80)

Howard A. Redmond, Ph.D., University of Southern California, Professor Emeritus of Religion and Philosophy (1957-90)

Shirley S. Richner, Ph.D., University of Idaho, M.Ed., Whitworth College, B.Mus., University of Texas, El Paso, Professor Emeritus of Education (1966-92)

Clarence J. Simpson, Ph.D., Stanford University, Professor Emeritus of English (1953-80)

Evelyn A. Smith, M.R.E., The Biblical Seminary in New York, Associate Professor Emeritus of Religion (1944-81)

Howard M. Stien, Ph.D., University of Wyoming, M.Ed., Macalester College, B.A., Northwestern College, Professor Emeritus of Biology (1957-92)

Pat Stien, M.A.T., Whitworth College, B.A., Wheaton College, Associate Professor Emeritus of Theatre Arts (1966-92)

Thomas T. Tavenner, D.M.A., M.A., B.A., University of Washington, Professor Emeritus of Music (1959-93)

Robert S. Winniford, Ph.D., University of Tennessee, Professor Emeritus of Chemistry (1963-84)

Roland Wurster, M.A., University of Oregon, Associate Professor Emeritus of English (1957-80)

ADMINISTRATION

Karen K. Albrecht, B.S., Washington State University, Registered Sanitarian State of Washington, Assistant Director of Safety, Physical Plant (1993)

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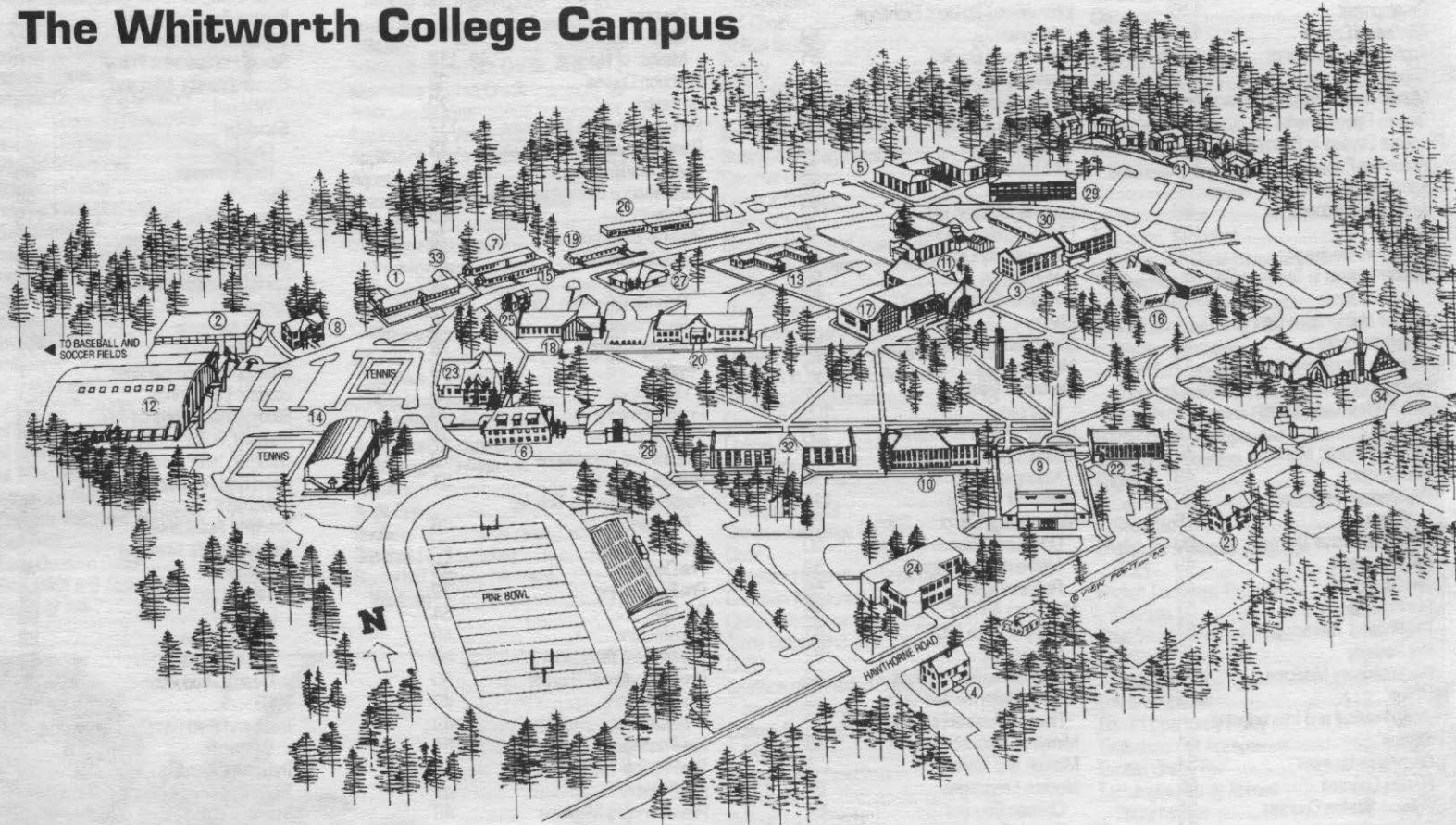
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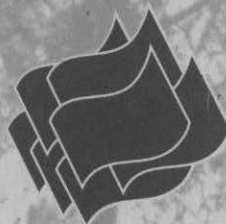


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| 5 Baldwin-Jenkins Hall | 17 Harriet Cheney Cowles Memorial Library | 29 Stewart Hall |
| 6 Ballard Hall | 18 Leavitt Dining Hall | 30 Student Life |
| 7 Beyond Hall | 19 Lincoln Hall - Print Shop/Mail Center | 31 Village Residence Halls |
| 8 Calvin Hall | 20 Lindaman Center | 32 Warren Hall |
| 9 Cowles Memorial Auditorium | 21 MacKay Hall | 33 Westminster Hall |
| 10 Dixon Hall | 22 McEachran Hall - Administration | 34 Whitworth Community Presbyterian Church |
| 11 Eric Johnston Science Center | 23 McMillan Hall | |
| 12 Fieldhouse | 24 Music Building | |



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